Data File: /chem/HP07566.i/06jan26b.b/rj26t03.d

Date : 26-JAN-2006 16:33

Client ID: BFB AUG 26

Instrument: HP07566.i

Sample Info: BFB AUG 26;50ng BFB;1;3;;

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25

Data File: rj26t03.d

Spectrum: Avg. Scans 205-207 (4.75), Background Scan 196

Location of Maximum: 95.00

Number of points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	718	60.00	433	80.00	370	119.00	338
37.00	2614	61.00	2240	81.00	939	128.00	100
38.00	2329	62.00	2415	82.00	91	129.00	120
39.00	1332	63.00	1644	87.00	1404	135.00	108
40.00	162	64.00	129	88.00	1202	141.00	544
44.00	182	68.00	4537	92.00	1228	143.00	608
45.00	416	69.00	5045	93.00	1728	148.00	94
47.00	595	70.00	256	94.00	4709	155.00	86
48.00	363	72.00	210	95.00	39288	161.00	109
49.00	2206	73.00	1877	96.00	2394	174.00	26960
50.00	9934	74.00	7370	97.00	89	175.00	2070
51.00	2643	75.00	23856	106.00	187	176.00	26824
52.00	173	76.00	2086	115.00	92	177.00	1860
56.00	849	77.00	373	117.00	97	207.00	87
57.00	1421	79.00	1036	118.00	102		

Data File: /chem/HP07566.i/06jan24b.b/rj24t02.d

Date : 24-JAN-2006 11:18

Client ID: 2uLBFBAUG26

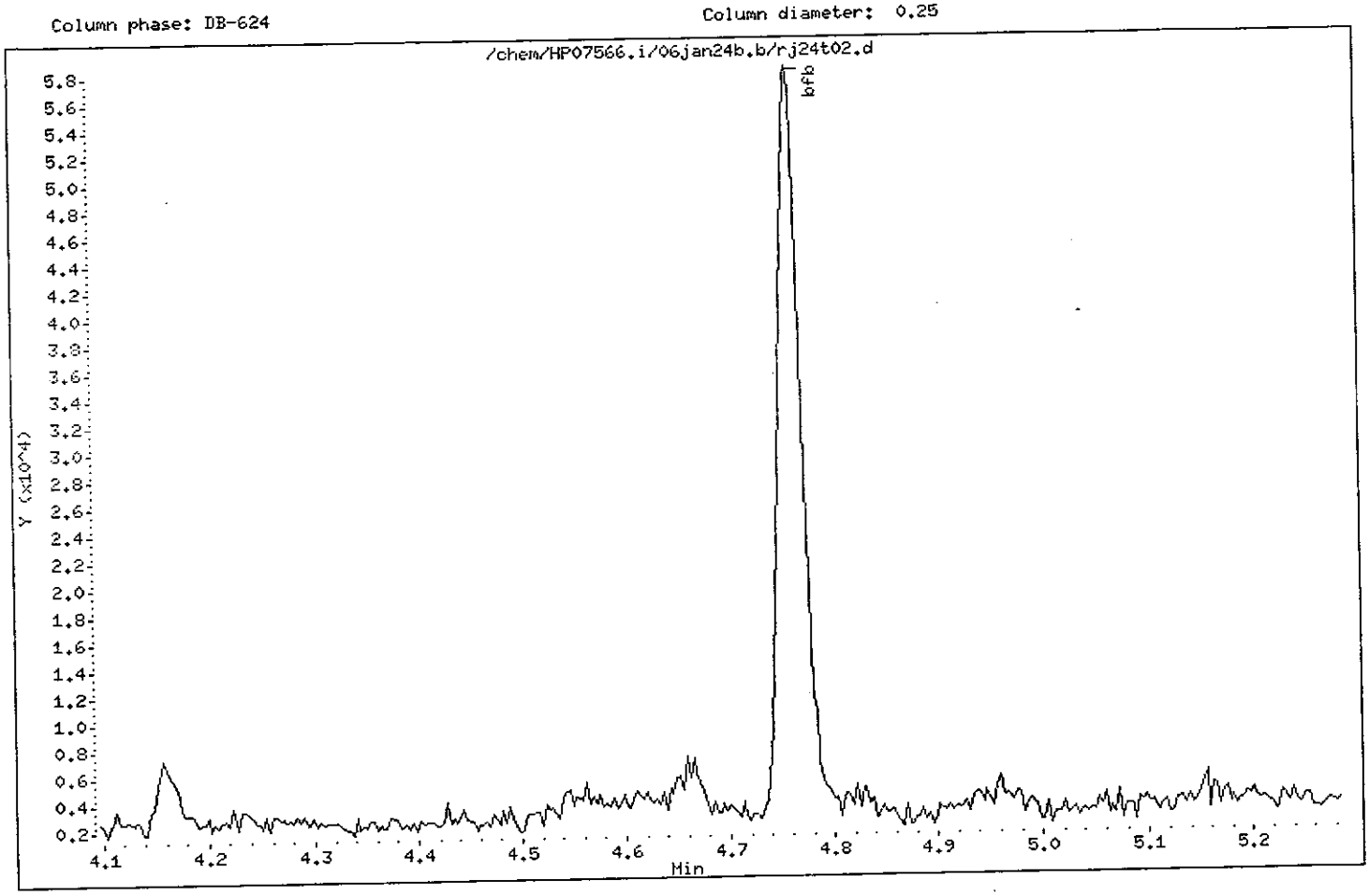
Instrument: HP07566.i

Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: SAM00983

Column phase: DB-624

Column diameter: 0.25



1/24/06

0363

Data File: /chem/HP07566.i/06jan24b.b/rj24t02.d

Date : 24-JAN-2006 11:18

Client ID: 2uLBFBAUG26

Instrument: HP07566.i

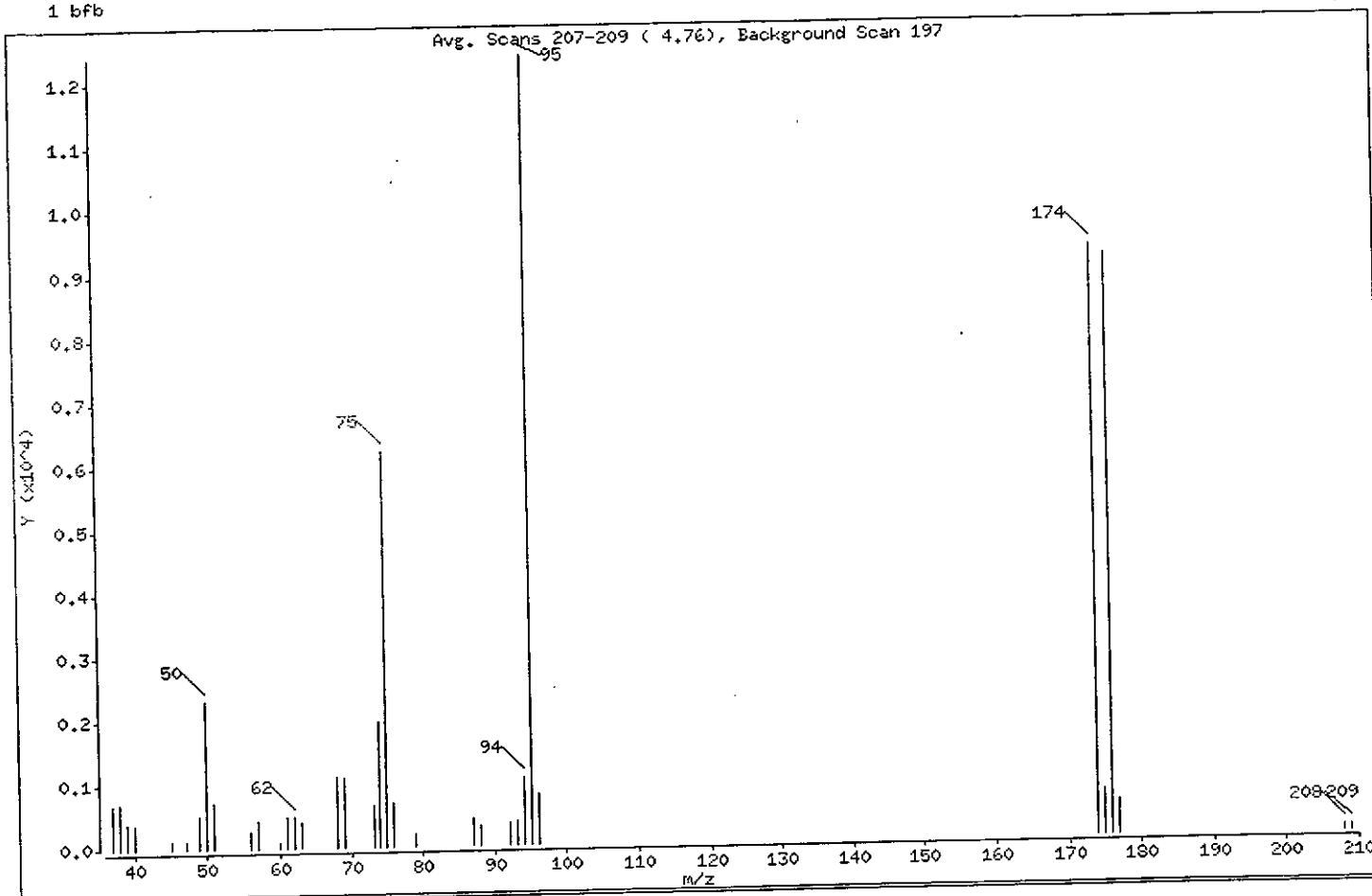
Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: SAM00983

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.59
75	30.00 - 66.00% of mass 95	50.09
96	5.00 - 9.00% of mass 95	6.41
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	74.99
175	4.00 - 9.00% of mass 174	5.64 (7.52)
176	93.00 - 101.00% of mass 174	73.71 (98.30)
177	5.00 - 9.00% of mass 176	4.34 (5.89)

Data File: /chem/HP07566.i/06jan24b.b/rj24t02.d

Date : 24-JAN-2006 11:18

Client ID: 2uLBFBAUG26

Instrument: HP07566.i

Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: SAM00983

Column phase: DB-624

Column diameter: 0.25

Data File: rj24t02.d

Spectrum: Avg. Scans 207-209 (4.76), Background Scan 197

Location of Maximum: 95.00

Number of points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	676	56.00	256	74.00	1978	95.00	12409
38.00	726	57.00	431	75.00	6216	96.00	796
39.00	402	60.00	88	76.00	686	174.00	9305
40.00	362	61.00	488	79.00	194	175.00	700
45.00	105	62.00	494	87.00	430	176.00	9147
47.00	107	63.00	400	88.00	307	177.00	539
49.00	503	68.00	1107	92.00	337	208.00	84
50.00	2307	69.00	1090	93.00	380	209.00	94
51.00	714	73.00	651	94.00	1049		

Data File: /chem/HP07566.i/06jan24d.b/rj24t06.d

Date : 24-JAN-2006 17:57

Client ID: 2uLBFBAUG26

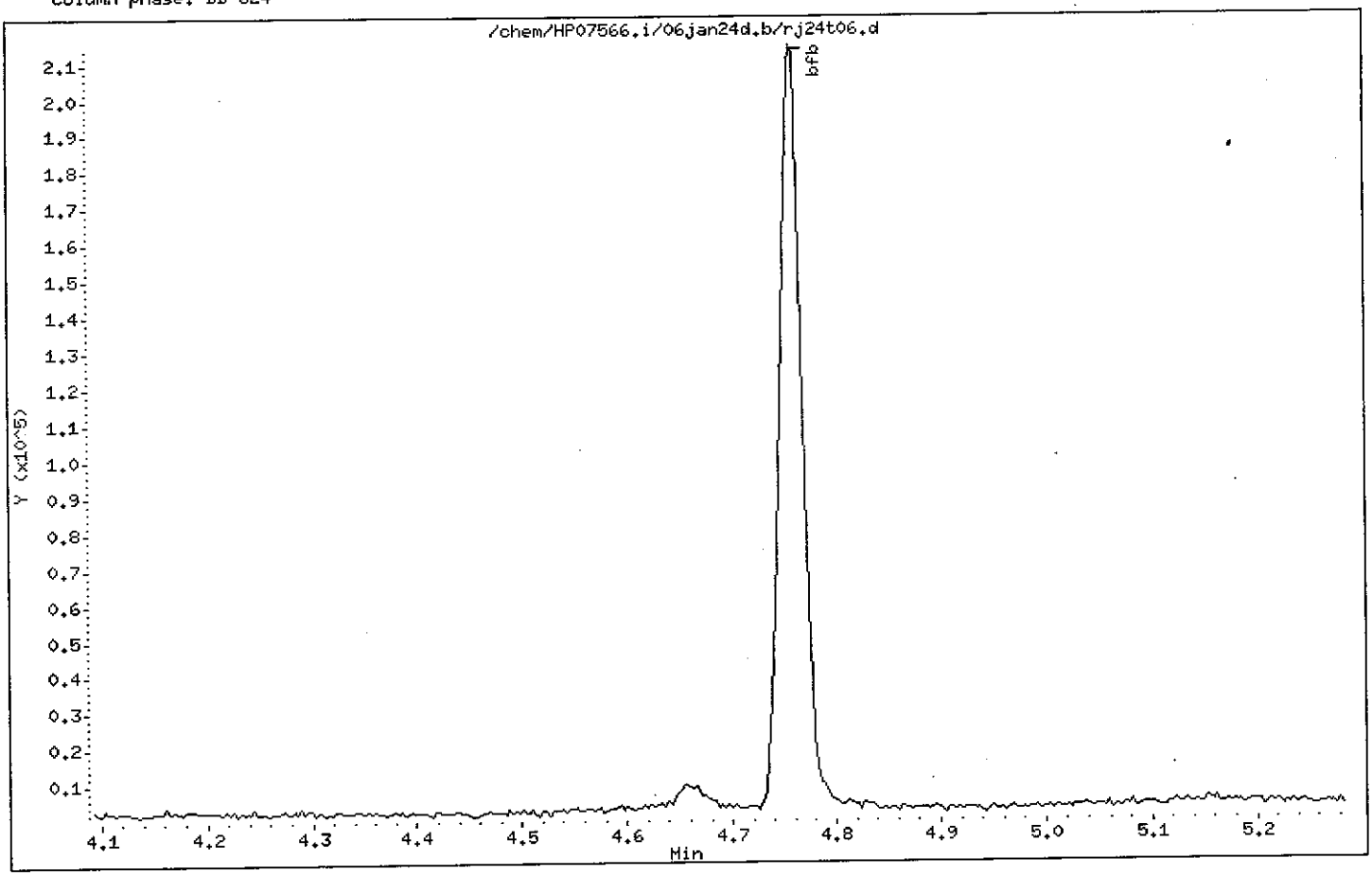
Instrument: HP07566.i

Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25



JML
1/24/06

8366

Data File: /chem/HP07566.i/06jan24d.b/rj24t06.d

Date : 24-JAN-2006 17:57

Client ID: 2uLBFBAUG26

Instrument: HP07566.i

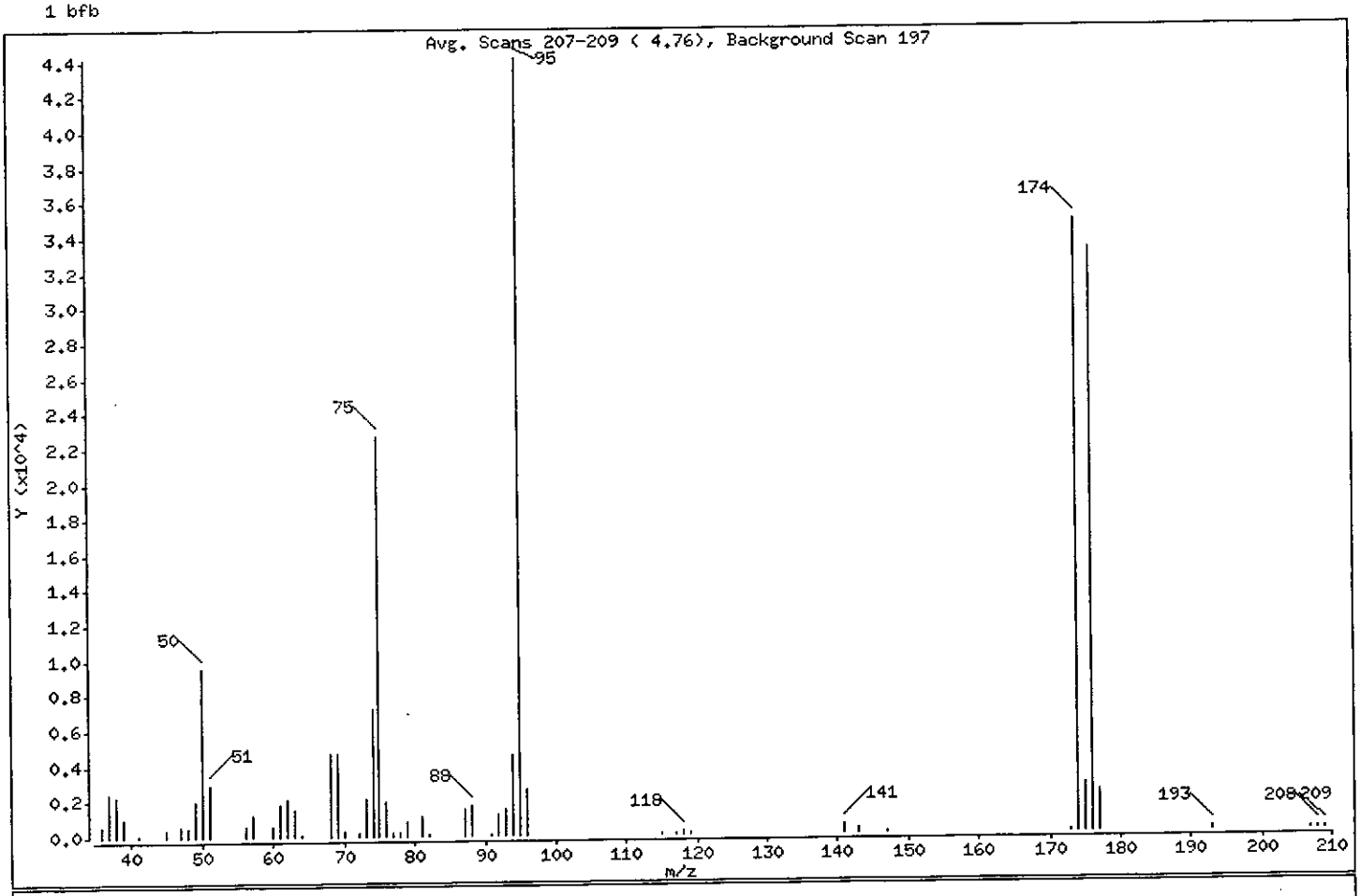
Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	21.75
75	30.00 - 66.00% of mass 95	51.33
96	5.00 - 9.00% of mass 95	6.00
173	Less than 2.00% of mass 174	0.28 (0.35)
174	50.00 - 120.00% of mass 95	78.73
175	4.00 - 9.00% of mass 174	6.20 (7.88)
176	93.00 - 101.00% of mass 174	75.15 (95.45)
177	5.00 - 9.00% of mass 176	5.29 (7.04)

Data File: /chem/HP07566.i/06jan24d.b/rj24t06.d

Date : 24-JAN-2006 17:57

Client ID: 2uLBFBAUG26

Instrument: HP07566.i

Sample Info: 2uLBFBAUG26;50NG BFB;1;3;;;;

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25

Data File: rj24t06.d

Spectrum: Avg. Scans 207-209 (4.76), Background Scan 197

Location of Maximum: 95.00

Number of points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	575	61.00	1847	79.00	805	119.00	109
37.00	2440	62.00	2090	81.00	1129	141.00	461
38.00	2225	63.00	1496	82.00	94	143.00	315
39.00	1012	64.00	88	87.00	1519	147.00	89
41.00	97	68.00	4649	88.00	1732	173.00	123
45.00	440	69.00	4719	91.00	111	174.00	34776
47.00	620	70.00	283	92.00	1240	175.00	2739
48.00	475	72.00	212	93.00	1569	176.00	33192
49.00	2043	73.00	2174	94.00	4561	177.00	2337
50.00	9607	74.00	7200	95.00	44176	193.00	183
51.00	2933	75.00	22672	96.00	2652	207.00	58
56.00	563	76.00	1926	115.00	86	208.00	91
57.00	1204	77.00	167	117.00	143	209.00	87
60.00	657	78.00	178	118.00	177		

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKR37

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR37

Sample wt/vol: 5.00 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26b01.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/Kg	Q
74-87-3	Chloromethane		2	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		3	U
75-00-3	Chloroethane		3	U
75-35-4	1,1-Dichloroethene		2	U
67-64-1	Acetone		7	U
75-15-0	Carbon Disulfide		3	U
75-09-2	Methylene Chloride		2	U
75-34-3	1,1-Dichloroethane		1	U
540-59-0	1,2-Dichloroethene (Total)		2	U
78-93-3	2-Butanone		7	U
67-66-3	Chloroform		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
107-06-2	1,2-Dichloroethane		2	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		3	U
75-27-4	Bromodichloromethane		2	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		3	U
108-88-3	Toluene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		3	U
124-48-1	Dibromochloromethane		1	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		1	U
1330-20-7	Xylene (Total)		1	U

0369

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKR37

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR37

Sample wt/vol: 5.00 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26b01.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/Kg	Q
100-42-5	Styrene		1	U
75-25-2	Bromoform		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U

8378

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKR37

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: VBLKR37

Sample wt/vol: 5.0 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26b01.d

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown siloxane	10.33	8	J
2.		Unknown siloxane	12.34	16	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

8321

VBLKR37

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKR37

File: /chem/HP07566.i/06jan26b.b/rj26b01.d
Sample: VBLKR37;VBLKR37;2;3;;
Injected At:26-JAN-2006 17:32
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference:
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:1.00
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 5.0000 g (Ws)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
43) Bromochloromethane	6.572(0.001)	1553	128	122025(-4)	50.00	
58) 1,4-Difluorobenzene	7.964(-0.006)	1987	114	772372(-6)	50.00	
91) Chlorobenzene-d5	11.255(-0.002)	3013	117	692698(-9)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
50) 1,2-Dichloroethane-d4	(1)	7.364(-0.001)	65	409294	50.543	101%		70 - 121
78) Toluene-d8	(3)	9.824(0.000)	98	947695	51.691	103%		84 - 138
103) 4-Bromofluorobenzene	(3)	12.240(0.000)	95	321215	43.272	86%		59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			2.00	10.00
3) Vinyl Chloride	(1)				ND	ND			2.00	10.00
5) Bromomethane	(1)				ND	ND			3.00	10.00
6) Chloroethane	(1)				ND	ND			3.00	10.00
10) 1,1-Dichloroethene	(1)				ND	ND			2.00	10.00
16) Acetone	(1)				ND	ND			7.00	10.00
18) Carbon Disulfide	(1)				ND	ND			3.00	10.00
22) Methylene Chloride	(1)				ND	ND			2.00	10.00
26) trans-1,2-Dichloroethene	(1)				ND	ND			2.00	10.00
31) 1,1-Dichloroethane	(1)				ND	ND			1.00	10.00
37) cis-1,2-Dichloroethene	(1)				ND	ND			2.00	10.00
40) 2-Butanone	(1)				ND	ND			7.00	10.00
45) Chloroform	(1)				ND	ND			1.00	10.00
46) 1,1,1-Trichloroethane	(2)				ND	ND			1.00	10.00
49) Carbon Tetrachloride	(2)				ND	ND			1.00	10.00
38) 1,2-Dichloroethene (Total)	(1)				ND	ND			2.00	10.00
52) Benzene	(2)				ND	ND			1.00	10.00
53) 1,2-Dichloroethane	(1)				ND	ND			2.00	10.00
61) Trichloroethene	(2)				ND	ND			1.00	10.00
66) 1,2-Dichloropropane	(2)				ND	ND			3.00	10.00
71) Bromodichloromethane	(2)				ND	ND			2.00	10.00
75) cis-1,3-Dichloropropene	(2)				ND	ND			1.00	10.00
76) 4-Methyl-2-Pentanone	(3)				ND	ND			3.00	10.00
80) Toluene	(3)				ND	ND			1.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKR37

File: /chem/HP07566.i/06jan26b.b/rj26b01.d
Sample: VBLKR37;VBLKR37;2;3;;
Injected At:26-JAN-2006 17:32
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference:
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:1.00
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 5.0000 g (Ws)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
81) trans-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
83) 1,1,2-Trichloroethane	(2)					ND	ND			2.00	10.00
85) Tetrachloroethene	(3)					ND	ND			1.00	10.00
87) 2-Hexanone	(3)					ND	ND			3.00	10.00
88) Dibromochloromethane	(2)					ND	ND			1.00	10.00
92) Chlorobenzene	(3)					ND	ND			1.00	10.00
94) Ethylbenzene	(3)					ND	ND			1.00	10.00
95) m+p-Xylene	(3)					ND	ND			1.00	10.00
96) Xylene (Total)	(3)					ND	ND			1.00	10.00
97) o-Xylene	(3)					ND	ND			1.00	10.00
98) Styrene	(3)					ND	ND			1.00	10.00
99) Bromoform	(2)					ND	ND			1.00	10.00
108) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: [signature] Date: 1/26/06

Auditor: [signature] Date: 2/2/06

Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d
Date : 26-JAN-2006 17:32
Client ID: VBLKR37
Sample Info: VBLKR37;VBLKR37;2;3;;

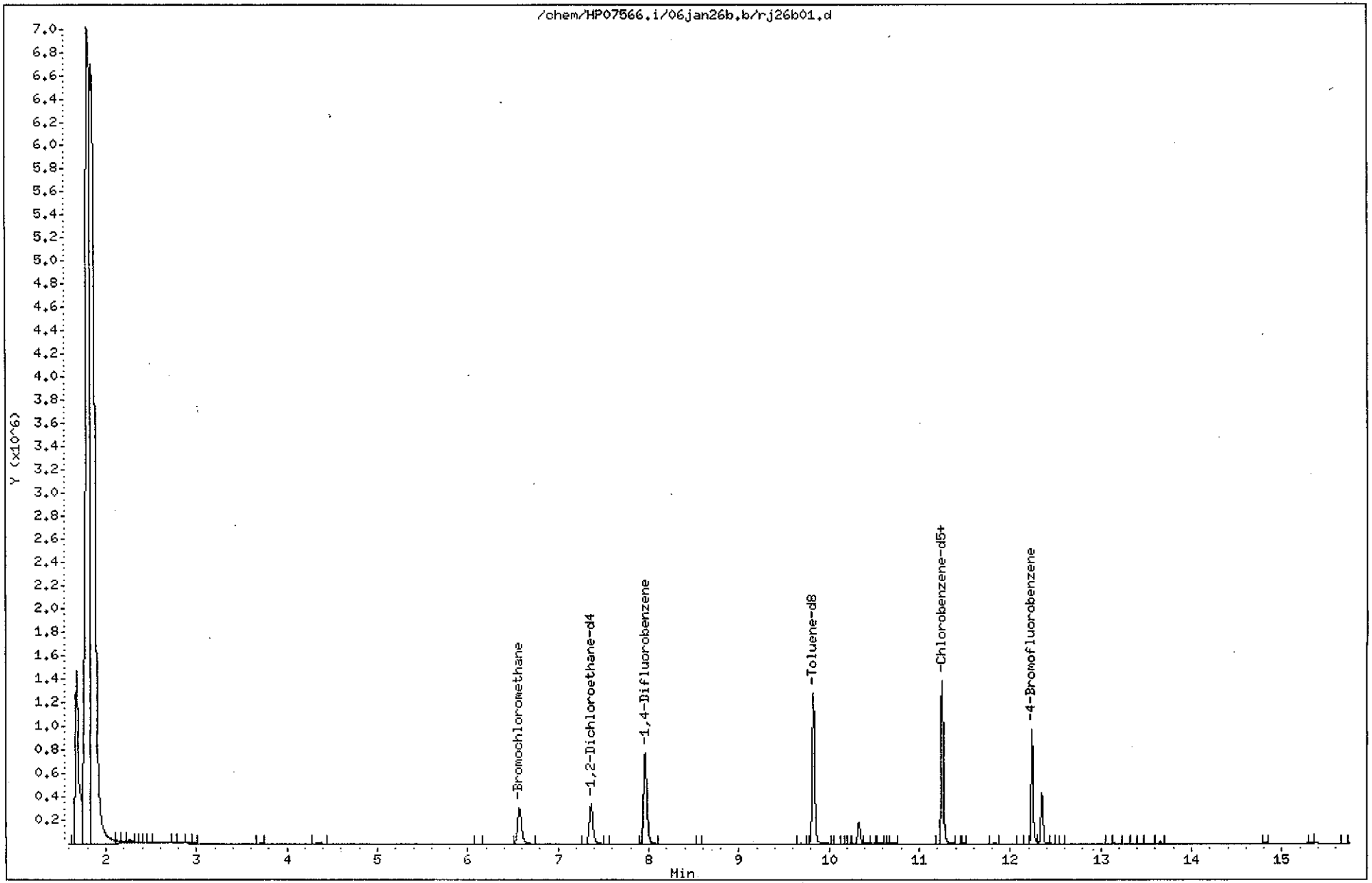
Column phase: DB-624

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25

JML 1/26/06

374



Quant Report

Target Revision 3.5

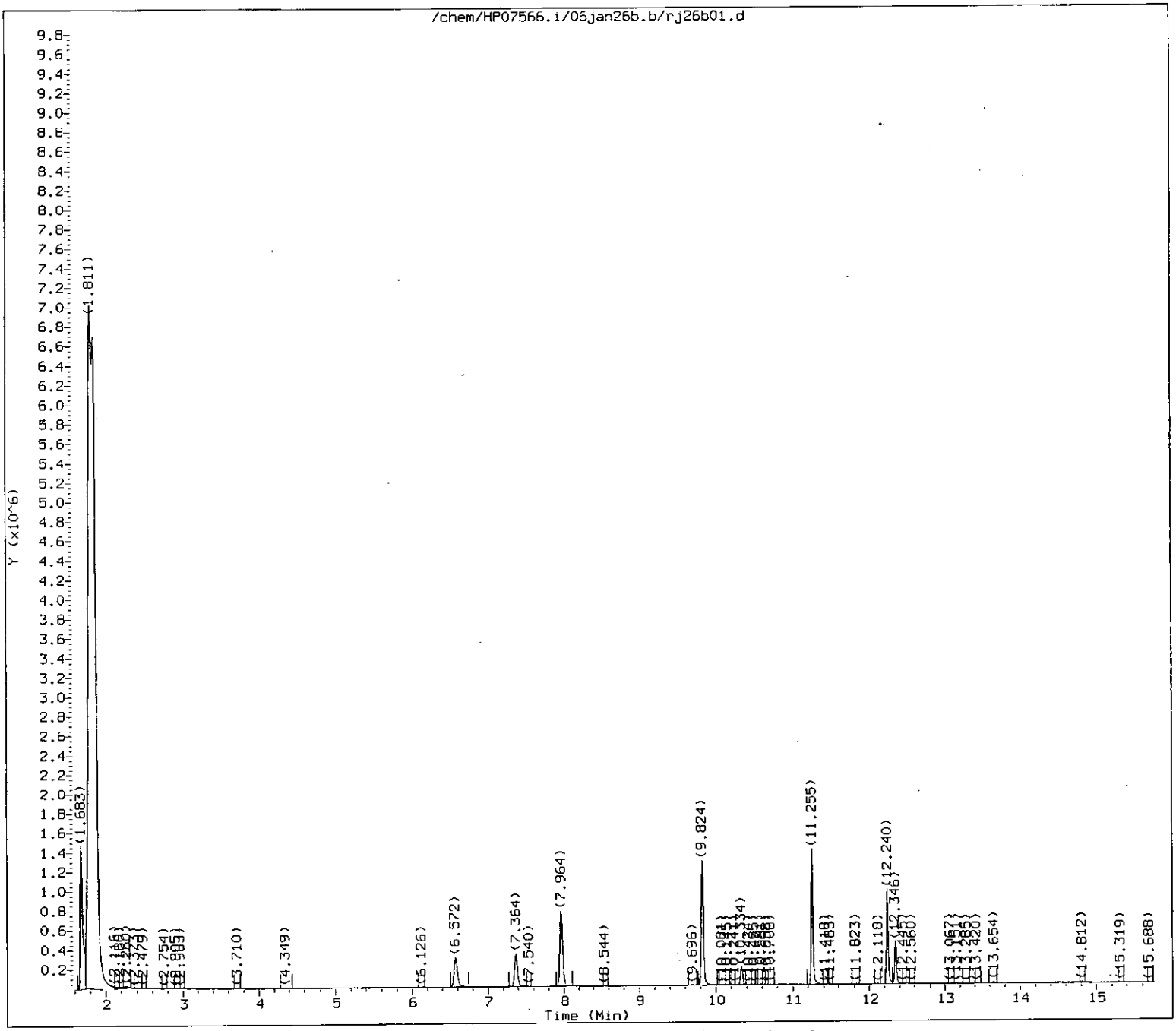
Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 17:32 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 26-Jan-2006 18:07 jml01693

Sample Name: VBLKR37 Lab Sample ID: VBLKR37

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
43)*Bromochloromethane	(1)	6.572	128	122025	50.000
58)*1,4-Difluorobenzene	(2)	7.964	114	772372	50.000
91)*Chlorobenzene-d5	(3)	11.255	117	692698	50.000
50)$1,2-Dichloroethane-d4	(1)	7.364	65	409294	50.543
78)$Toluene-d8	(3)	9.824	98	947695	51.691
103)$4-Bromofluorobenzene	(3)	12.240	95	321215	43.272

* = Compound is an internal standard.
$ = Compound is a surrogate standard.



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 17:32 Analyst ID: JML01693

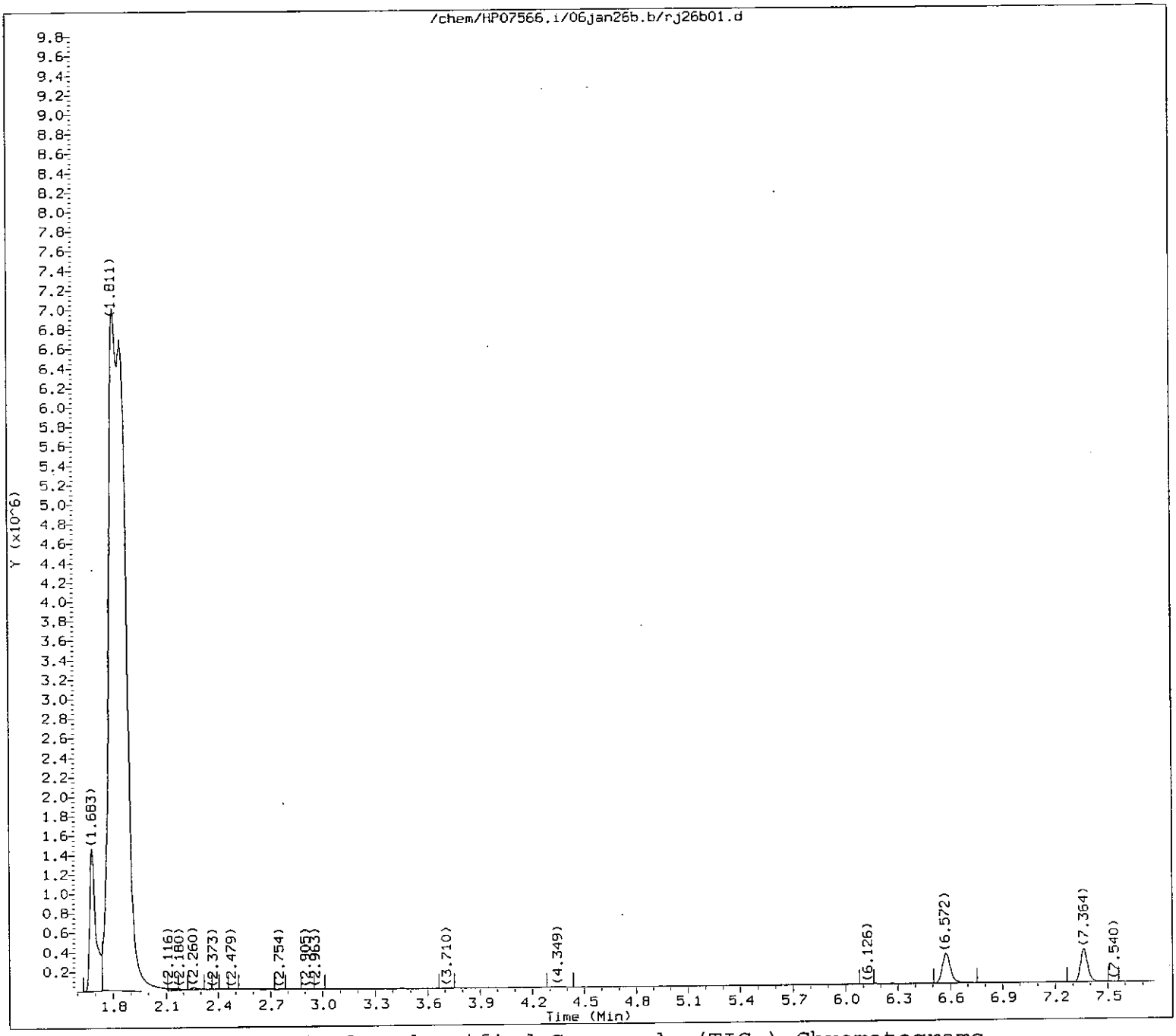
Date, time and analyst ID of latest file update: 26-Jan-2006 18:03 jml01693

Sample Name: VBLKR37 Lab Sample ID: VBLKR37

Chromatogram Start Time (min.): 1.593
Chromatogram End Time (min.): 15.749

8376

JML 1/26/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 17:32 Analyst ID: JML01693

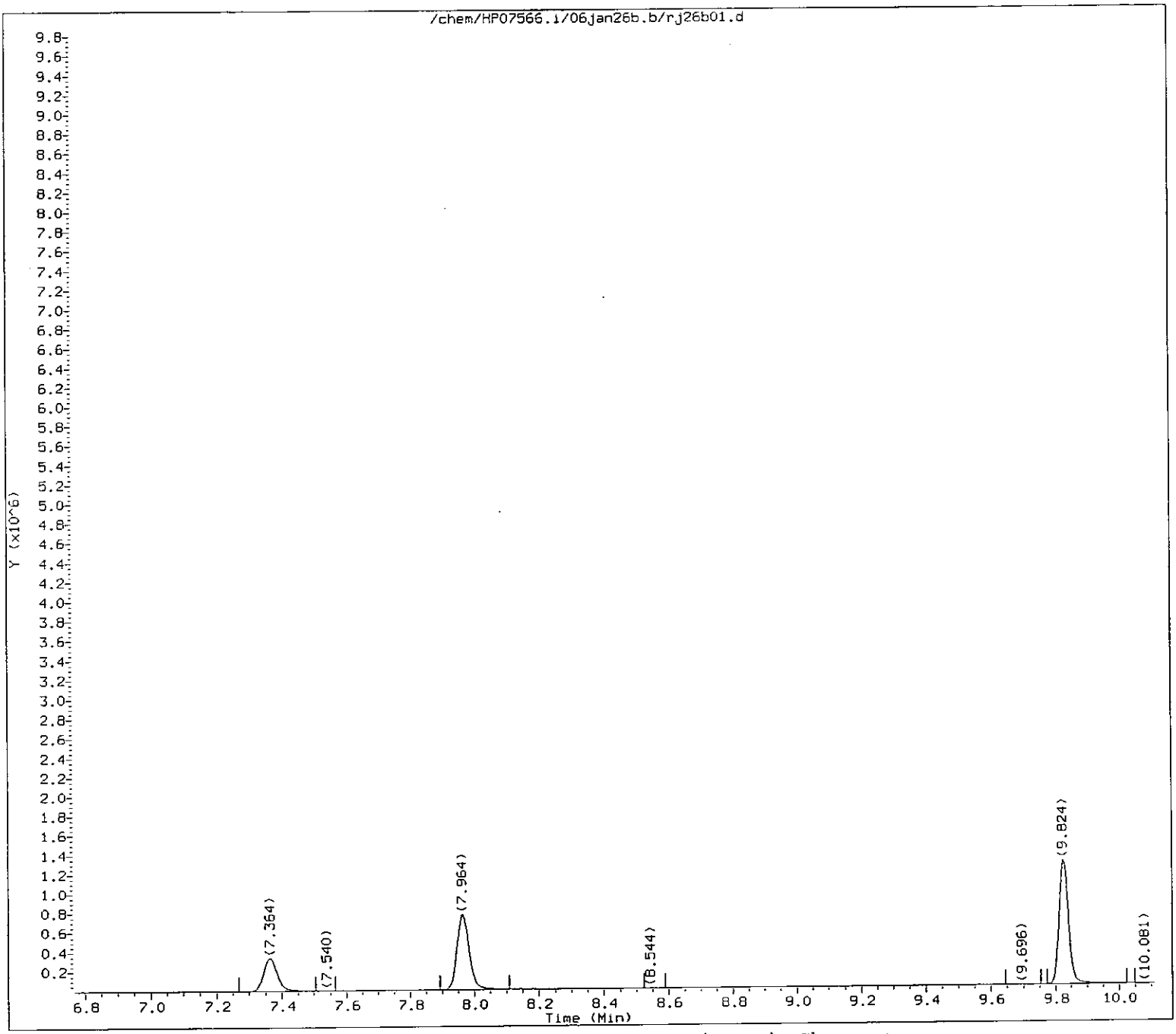
Date, time and analyst ID of latest file update: 26-Jan-2006 18:03 jml01693

Sample Name: VBLKR37 Lab Sample ID: VBLKR37

Internal Standard referenced: Bromochloromethane at 6.572 minutes
Chromatogram Start Time (min.): 1.593
Chromatogram End Time (min.): 7.268

0327

JML 1/26/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 17:32 Analyst ID: JML01693

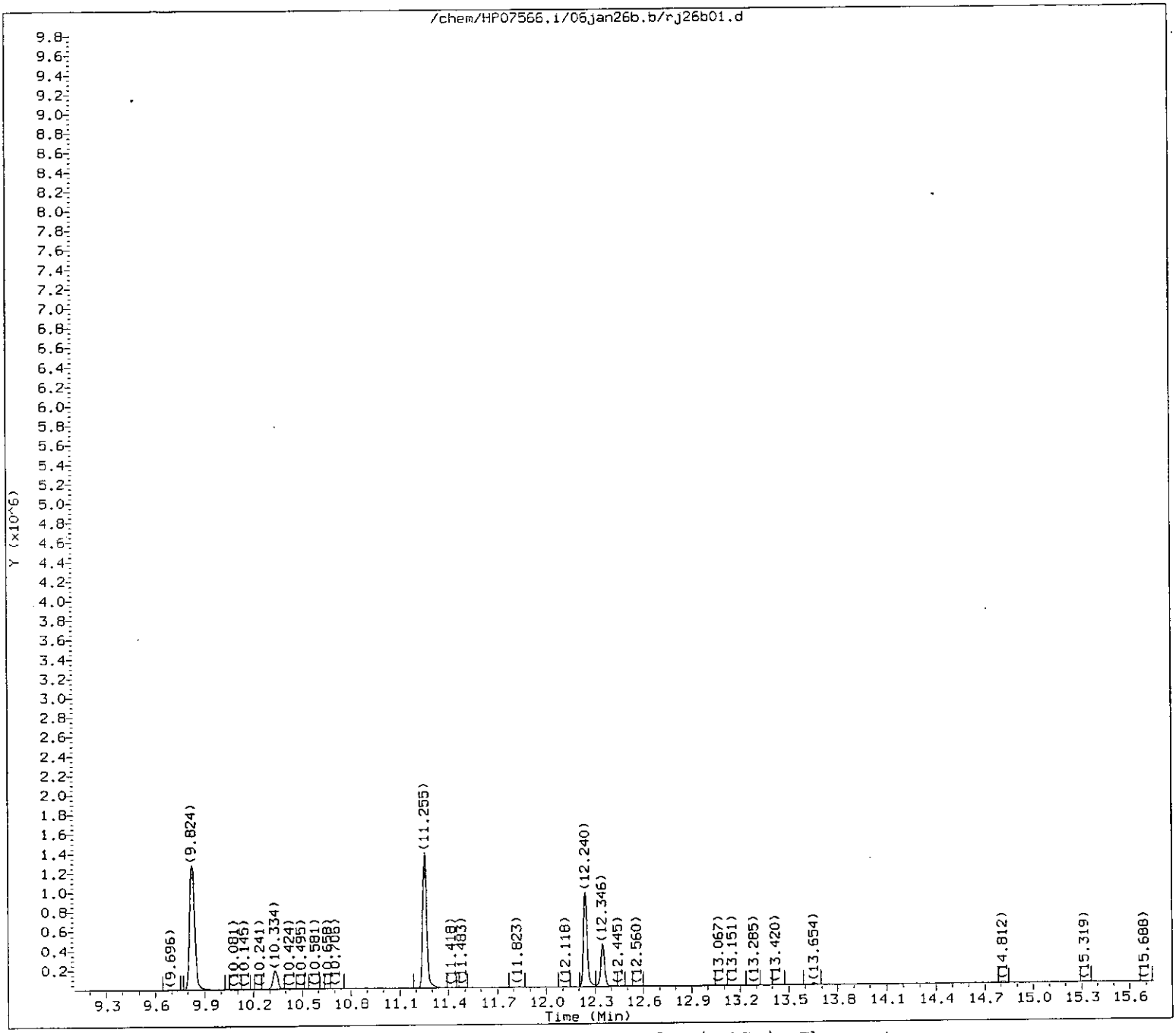
Date, time and analyst ID of latest file update: 26-Jan-2006 18:03 jml01693

Sample Name: VBLKR37 Lab Sample ID: VBLKR37

Internal Standard referenced: 1,4-Difluorobenzene at 7.964 minutes
Chromatogram Start Time (min.): 7.268
Chromatogram End Time (min.): 9.609

~~0378~~

JML 1/26/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 17:32 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 26-Jan-2006 18:03 jml01693

Sample Name: VBLKR37 Lab Sample ID: VBLKR37

Internal Standard referenced: Chlorobenzene-d5 at 11.255 minutes
Chromatogram Start Time (min.): 9.609
Chromatogram End Time (min.): 15.749

8329

JML 1/26/06

Lancaster Laboratories

Data file : /chem/HP07566.i/06jan26b.b/rj26b01.d
Lab Smp Id: VBLKR37 Client Smp ID: VBLKR37
Inj Date : 26-JAN-2006 17:32
Operator : JML01693 Inst ID: HP07566.i
Smp Info : VBLKR37;VBLKR37;2;3;;
Misc Info : 7157.sub;R060261AA;5;;5;;;
Comment : Max. number of TICs to report is 31, 2 TICs were found initially.
Method : /chem/HP07566.i/06jan26b.b/ROLM32SL.m
Meth Date : 26-Jan-2006 18:03 jml01693 Quant Type: ISTD
Cal Date : 26-JAN-2006 16:59 Cal File: rj26c01.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7157.sub
Target Version: 3.50
Processing Host: d21cs04

Concentration Formula: Amt * DF * (Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	Purge Volume
Ws	5.00000	Soil Weight

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 91 Chlorobenzene-d5	11.255	2397903	50.000

RT	AREA	CONCENTRATIONS ON-COL(ug/L)	CONCENTRATIONS FINAL(ug/Kg)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	QUANT CPND #
Unknown siloxane				CAS #:			
10.334	411292	8.57606717	8.5761	0		0	91
Unknown siloxane				CAS #:			
12.346	789858	16.4697579	16.46976	0		0	91(L)

QC Flag Legend

L - Operator selected an alternate library search match.

JML 1/26/06 0388

Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d

Date : 26-JAN-2006 17:32

Client ID: VBLKR37

Instrument: HP07566.i

Sample Info: VBLKR37;VBLKR37;2;3;;

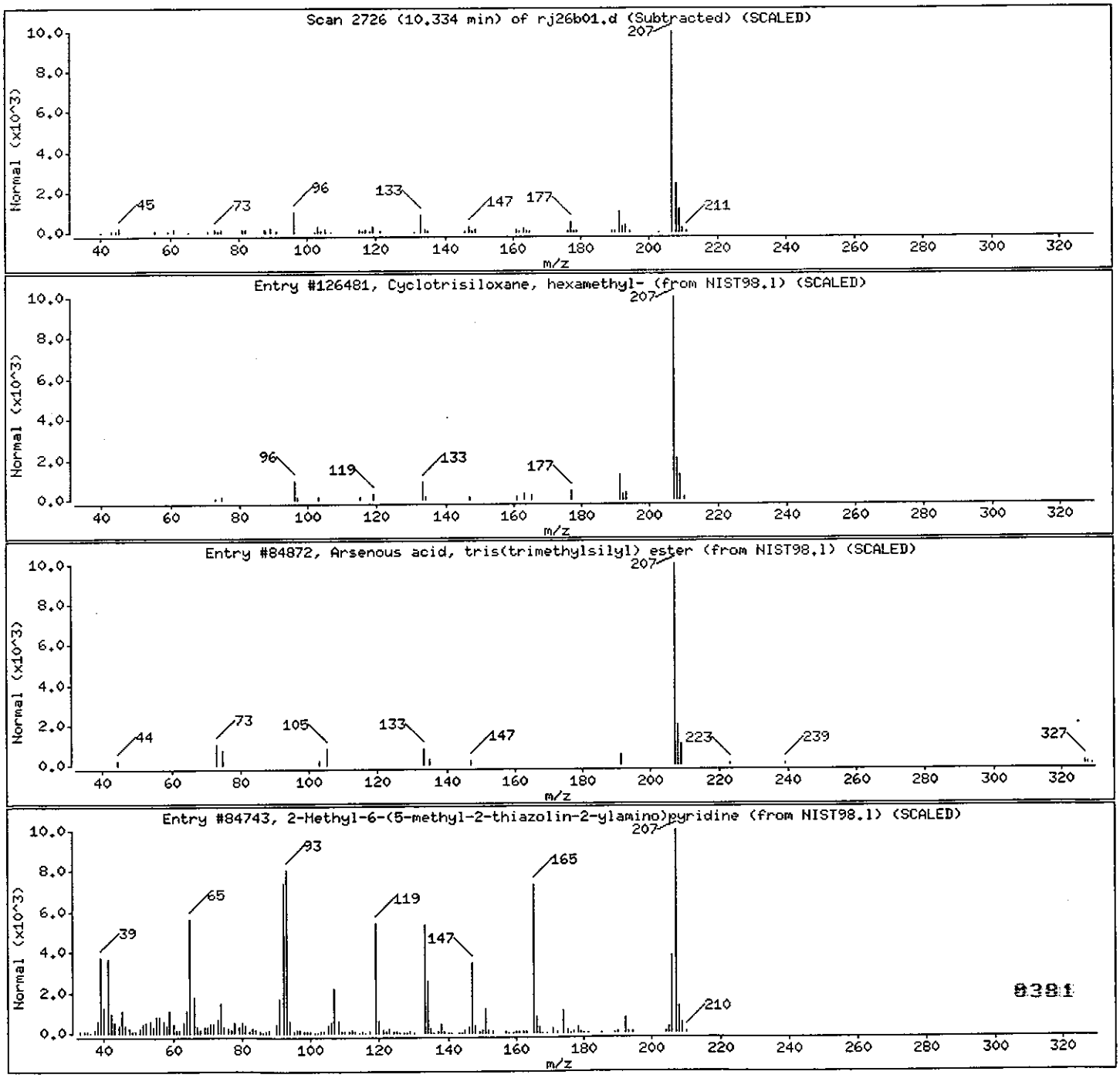
Operator: JML01693

Column phase: DB-624

Column diameter: 0.25

Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST98.1	126481	91	C6H18O3Si3	222
Arsenous acid, tris(trimethylsilyl) este	55429-29-3	NIST98.1	84872	56	C9H27AsO3Si3	342
2-Methyl-6-(5-methyl-2-thiazolin-2-ylami	1000225-39-3	NIST98.1	84743	47	C10H13N3S	207



Data File: /chem/HP07566.i/06jan26b.b/rj26b01.d

Date : 26-JAN-2006 17:32

Client ID: VBLKR37

Instrument: HP07566.i

Sample Info: VBLKR37;VBLKR37;2;3;;

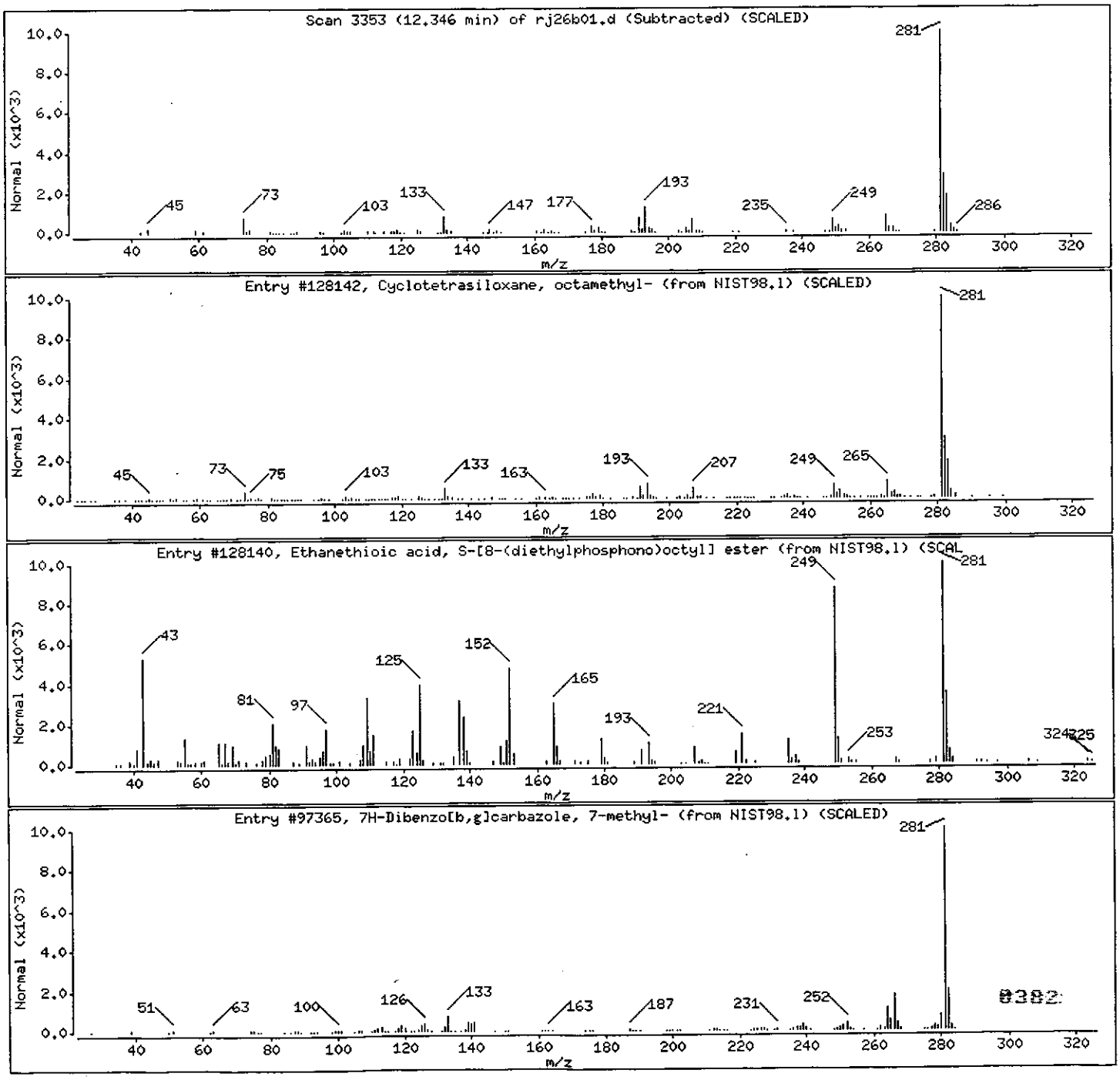
Operator: JML01693

Column phase: DB-624

Column diameter: 0.25

Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.1	128142	90	C8H24O4Si4	296
Ethanethioic acid, S-[8-(diethylphosphon	129065-11-8	NIST98.1	128140	81	C14H29O4PS	324
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	NIST98.1	97365	59	C21H15N	281



1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKR34

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKR34

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP07566.i/06jan24d.b/rj24b01.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/L	Q
74-87-3	Chloromethane		3	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		3	U
75-00-3	Chloroethane		3	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		6	U
75-15-0	Carbon Disulfide		3	U
75-09-2	Methylene Chloride		2	U
75-34-3	1,1-Dichloroethane		2	U
78-93-3	2-Butanone		3	U
67-66-3	Chloroform		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
107-06-2	1,2-Dichloroethane		2	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		2	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		7	U
124-48-1	Dibromochloromethane		2	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		2	U
1330-20-7	Xylene (Total)		1	U
100-42-5	Styrene		1	U

8383

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKR34

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKR34

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP07566.i/06jan24d.b/rj24b01.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/L	Q
75-25-2	Bromoform		1	U
79-34-5	1,1,2,2-Tetrachloroethane		2	U
540-59-0	1,2-Dichloroethene (Total)		1	U

8384

1E

EPA SAMPLE NO.

VBLKR34

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKR34

Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07566.i/06jan24d.b/rj24b01.d

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 .(mm) Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
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17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

8385

VBLKR34

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKR34

File: /chem/HP07566.i/06jan24d.b/rj24b01.d
Sample: VBLKR34;VBLKR34;1;3;;
Injected At:24-JAN-2006 18:56
Calibration Time: 24-JAN-2006 11:40
Target Method: ROLM32W.m
Blank Reference:
Sublist: 7156

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:R060241AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj24c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
42) Bromochloromethane	6.590(-0.005)	1558	128	132168(-3)	50.00	
56) 1,4-Difluorobenzene	7.979(-0.009)	1991	114	816372(-2)	50.00	
87) Chlorobenzene-d5	11.260(-0.005)	3014	117	752633(-3)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
49) 1,2-Dichloroethane-d4	(1)	7.376(0.000)	65	361969	51.706	103%		76 - 114
75) Toluene-d8	(3)	9.833(0.000)	98	984274	49.937	100%		88 - 110
99) 4-Bromofluorobenzene	(3)	12.242(0.000)	95	389323	50.009	100%		86 - 115

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			3.00	10.00
3) Vinyl Chloride	(1)				ND	ND			2.00	10.00
5) Bromomethane	(1)				ND	ND			3.00	10.00
6) Chloroethane	(1)				ND	ND			3.00	10.00
10) 1,1-Dichloroethene	(1)				ND	ND			1.00	10.00
16) Acetone	(1)				ND	ND			6.00	10.00
18) Carbon Disulfide	(1)				ND	ND			3.00	10.00
21) Methylene Chloride	(1)				ND	ND			2.00	10.00
25) trans-1,2-Dichloroethene	(1)				ND	ND			1.00	10.00
31) 1,1-Dichloroethane	(1)				ND	ND			2.00	10.00
37) cis-1,2-Dichloroethene	(1)				ND	ND			1.00	10.00
39) 2-Butanone	(1)				ND	ND			3.00	10.00
44) Chloroform	(1)				ND	ND			1.00	10.00
45) 1,1,1-Trichloroethane	(2)				ND	ND			1.00	10.00
48) Carbon Tetrachloride	(2)				ND	ND			1.00	10.00
145) 1,2-Dichloroethene (Total)	(1)				ND	ND			1.00	10.00
50) Benzene	(2)				ND	ND			1.00	10.00
51) 1,2-Dichloroethane	(1)				ND	ND			2.00	10.00
59) Trichloroethene	(2)				ND	ND			1.00	10.00
63) 1,2-Dichloropropane	(2)				ND	ND			1.00	10.00
68) Bromodichloromethane	(2)				ND	ND			1.00	10.00
72) cis-1,3-Dichloropropene	(2)				ND	ND			1.00	10.00
73) 4-Methyl-2-Pentanone	(3)				ND	ND			5.00	10.00
76) Toluene	(3)				ND	ND			2.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

VBLKR34

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKR34

File: /chem/HP07566.i/06jan24d.b/rj24b01.d
Sample: VBLKR34;VBLKR34;1;3;;
Injected At:24-JAN-2006 18:56
Calibration Time: 24-JAN-2006 11:40
Target Method: ROLM32W.m
Blank Reference:
Sublist: 7156

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:R060241AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj24c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
77) trans-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
79) 1,1,2-Trichloroethane	(2)					ND	ND			2.00	10.00
81) Tetrachloroethene	(3)					ND	ND			1.00	10.00
83) 2-Hexanone	(3)					ND	ND			7.00	10.00
84) Dibromochloromethane	(2)					ND	ND			2.00	10.00
88) Chlorobenzene	(3)					ND	ND			1.00	10.00
90) Ethylbenzene	(3)					ND	ND			2.00	10.00
91) m+p-Xylene	(3)					ND	ND			1.00	10.00
92) Xylene (Total)	(3)					ND	ND			1.00	10.00
93) o-Xylene	(3)					ND	ND			1.00	10.00
94) Styrene	(3)					ND	ND			1.00	10.00
95) Bromoform	(2)					ND	ND			1.00	10.00
103) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			2.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: _____

Analyst: mef Date: 1/24/06

Auditor: JML 1/26/06 Date: 1/26/06

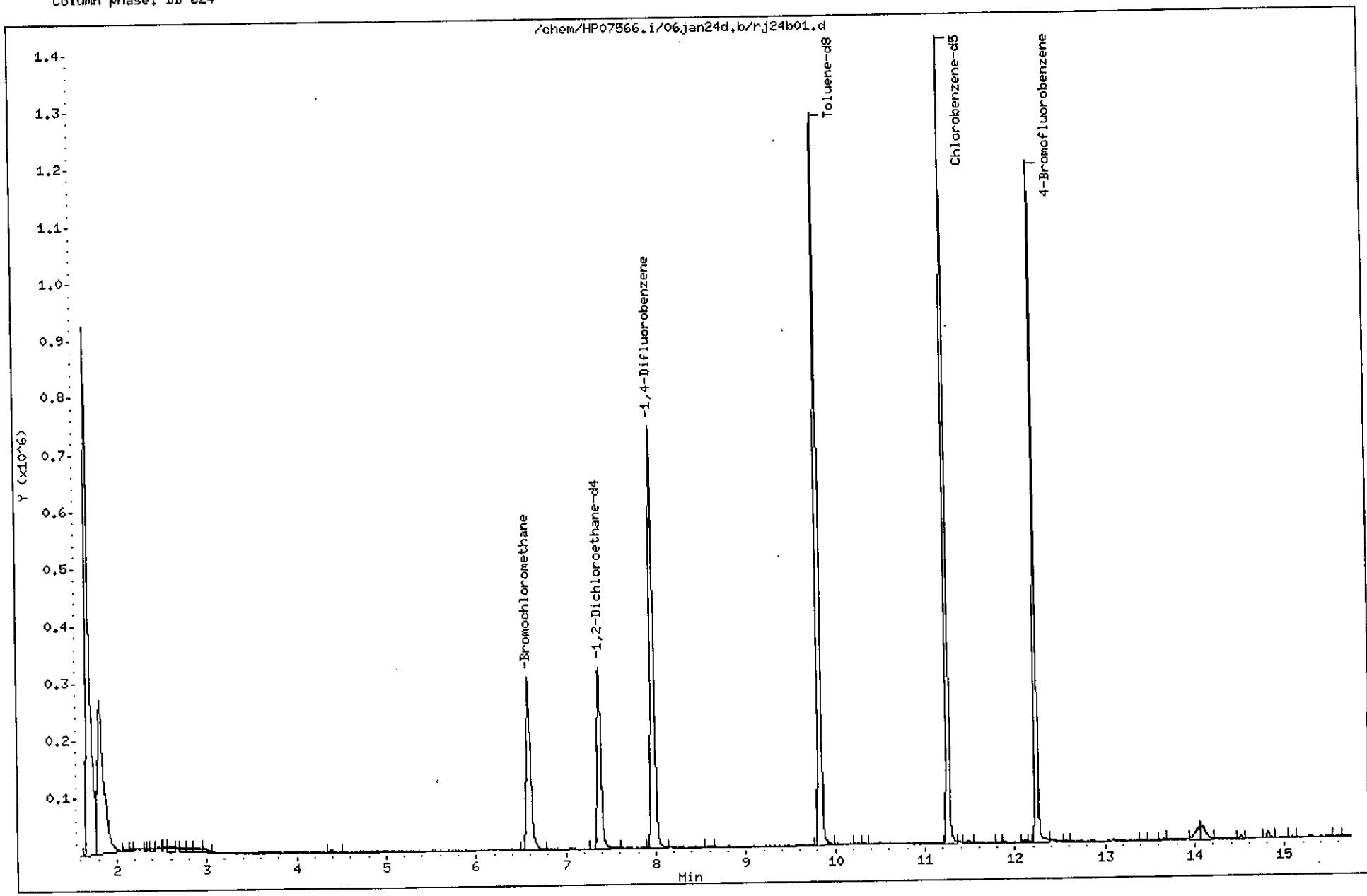
Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d
Date : 24-JAN-2006 18:56
Client ID: VBLKR34
Sample Info: VBLKR34;VBLKR34;1;3;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25

JML 1/24/06

#389



Quant Report

Target Revision 3.5

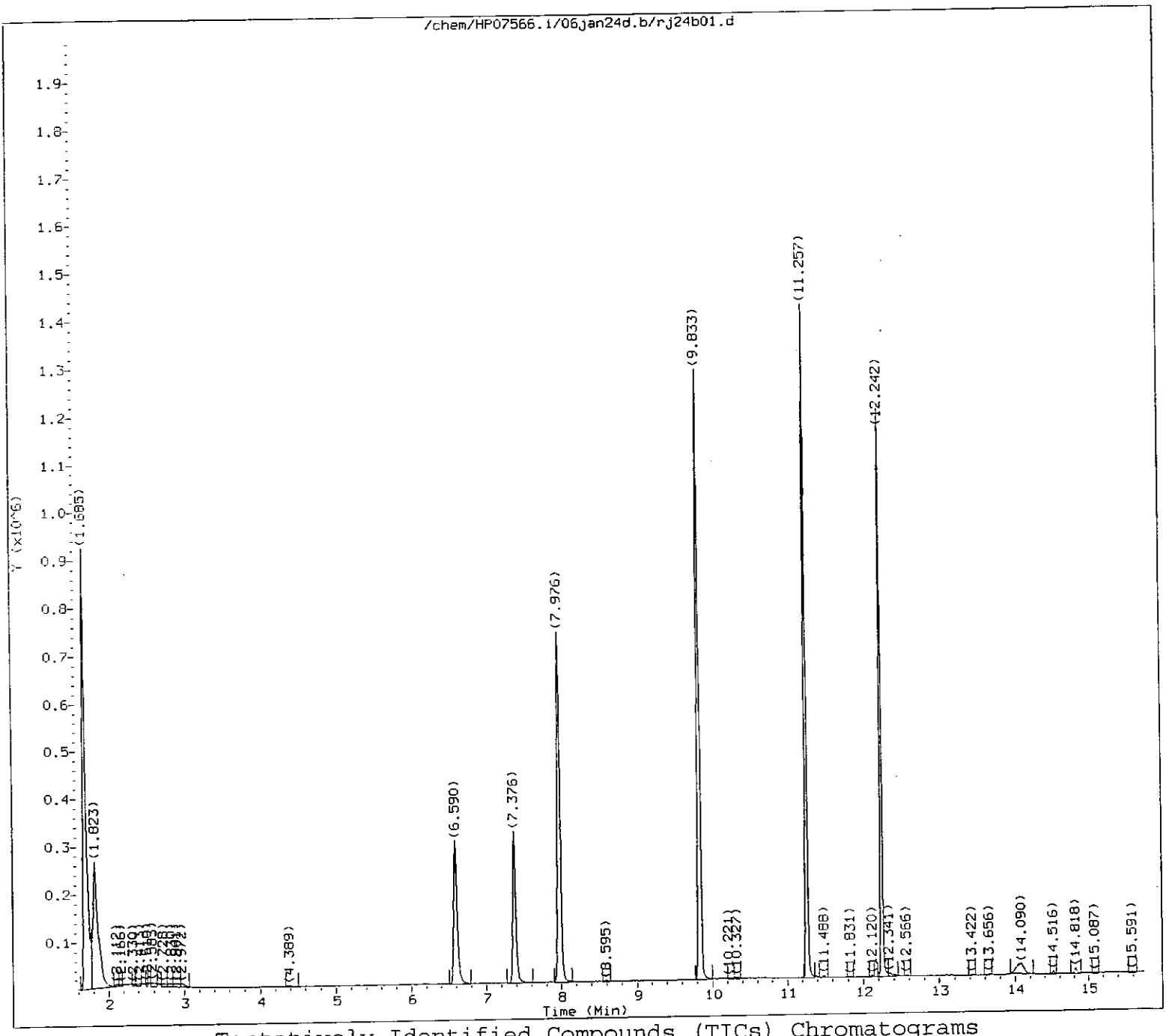
Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 18:56 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan24d.b/ROLM32W.m Sublist used: 7156
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 20:35 jml01693

Sample Name: VBLKR34 Lab Sample ID: VBLKR34

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
42)*Bromochloromethane	(1)	6.590	128	132168	50.000
56)*1,4-Difluorobenzene	(2)	7.979	114	816372	50.000
87)*Chlorobenzene-d5	(3)	11.260	117	752633	50.000
49)$1,2-Dichloroethane-d4	(1)	7.376	65	361969	51.706
75)$Toluene-d8	(3)	9.833	98	984274	49.937
99)$4-Bromofluorobenzene	(3)	12.242	95	389323	50.009

* = Compound is an internal standard.
$ = Compound is a surrogate standard.



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 18:56 Analyst ID: JML01693

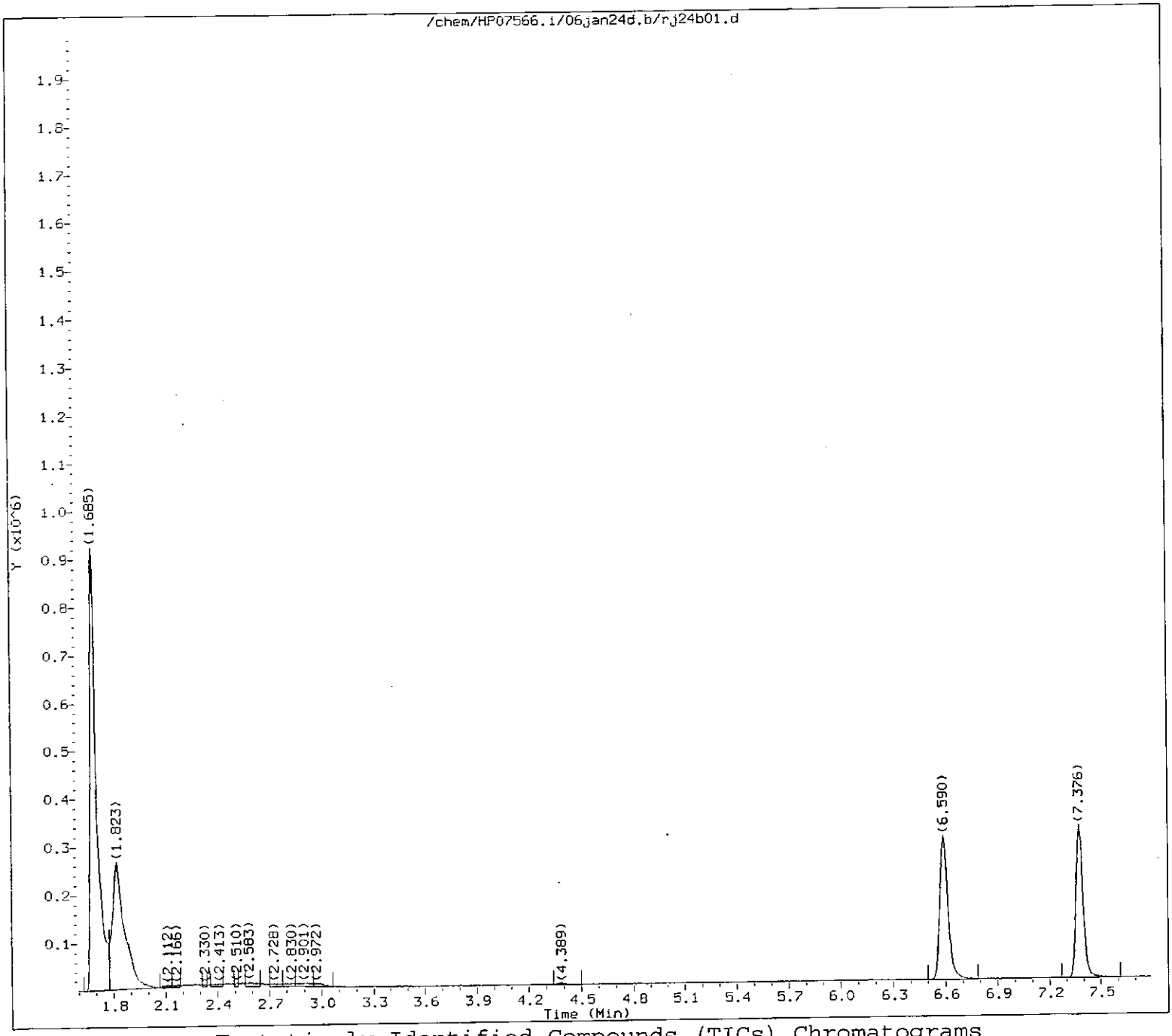
Date, time and analyst ID of latest file update: 25-Jan-2006 08:13 sam00983

Sample Name: VBLKR34 Lab Sample ID: VBLKR34

Chromatogram Start Time (min.): 1.595
Chromatogram End Time (min.): 15.748

1/25/06

~~0398~~



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 18:56 Analyst ID: JML01693

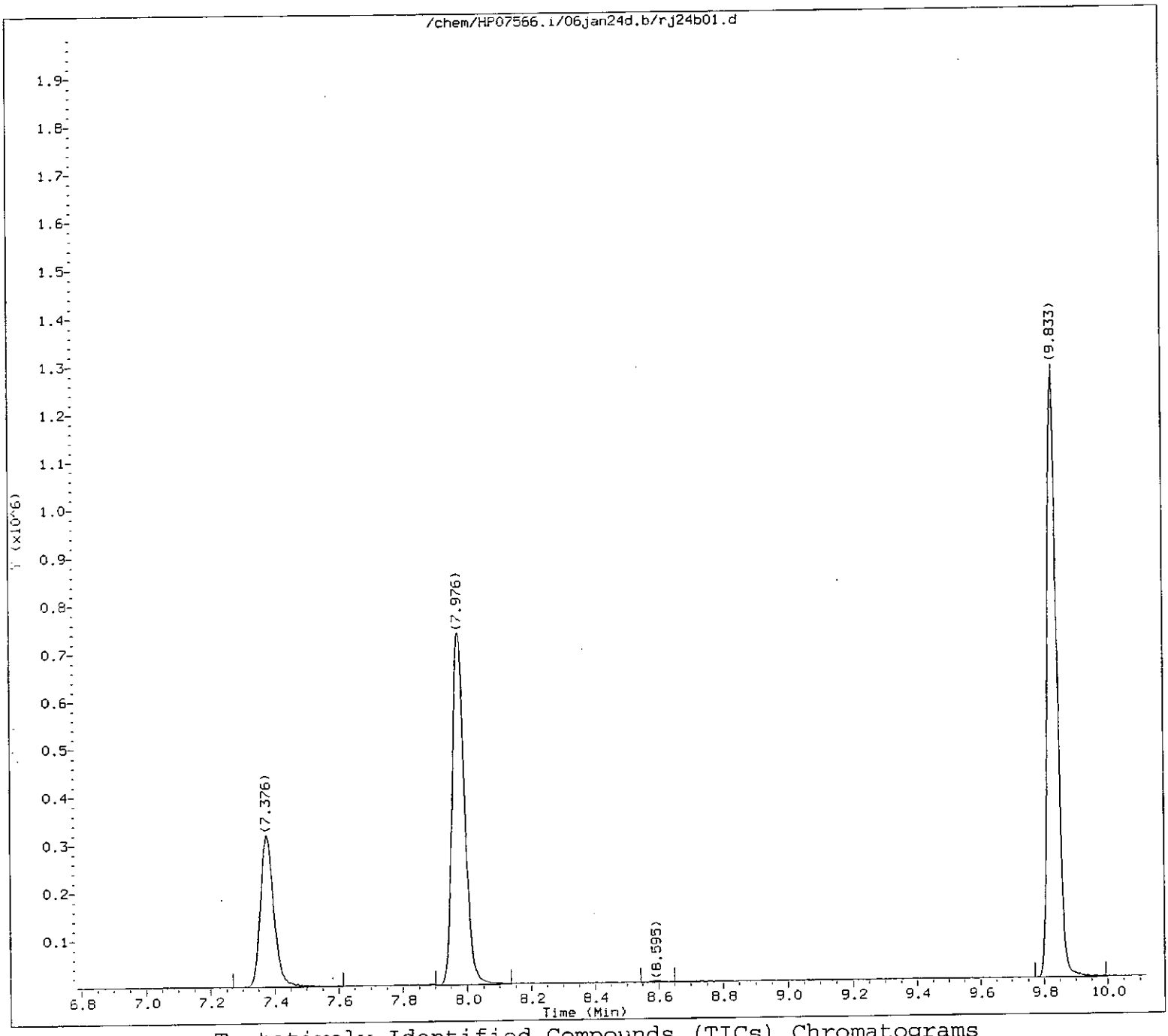
Date, time and analyst ID of latest file update: 25-Jan-2006 08:13 sam00983

Sample Name: VBLKR34 Lab Sample ID: VBLKR34

Internal Standard referenced: Bromochloromethane at 6.590 minutes
Chromatogram Start Time (min.): 1.595
Chromatogram End Time (min.): 7.284

0391

1/25/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 18:56 Analyst ID: JML01693

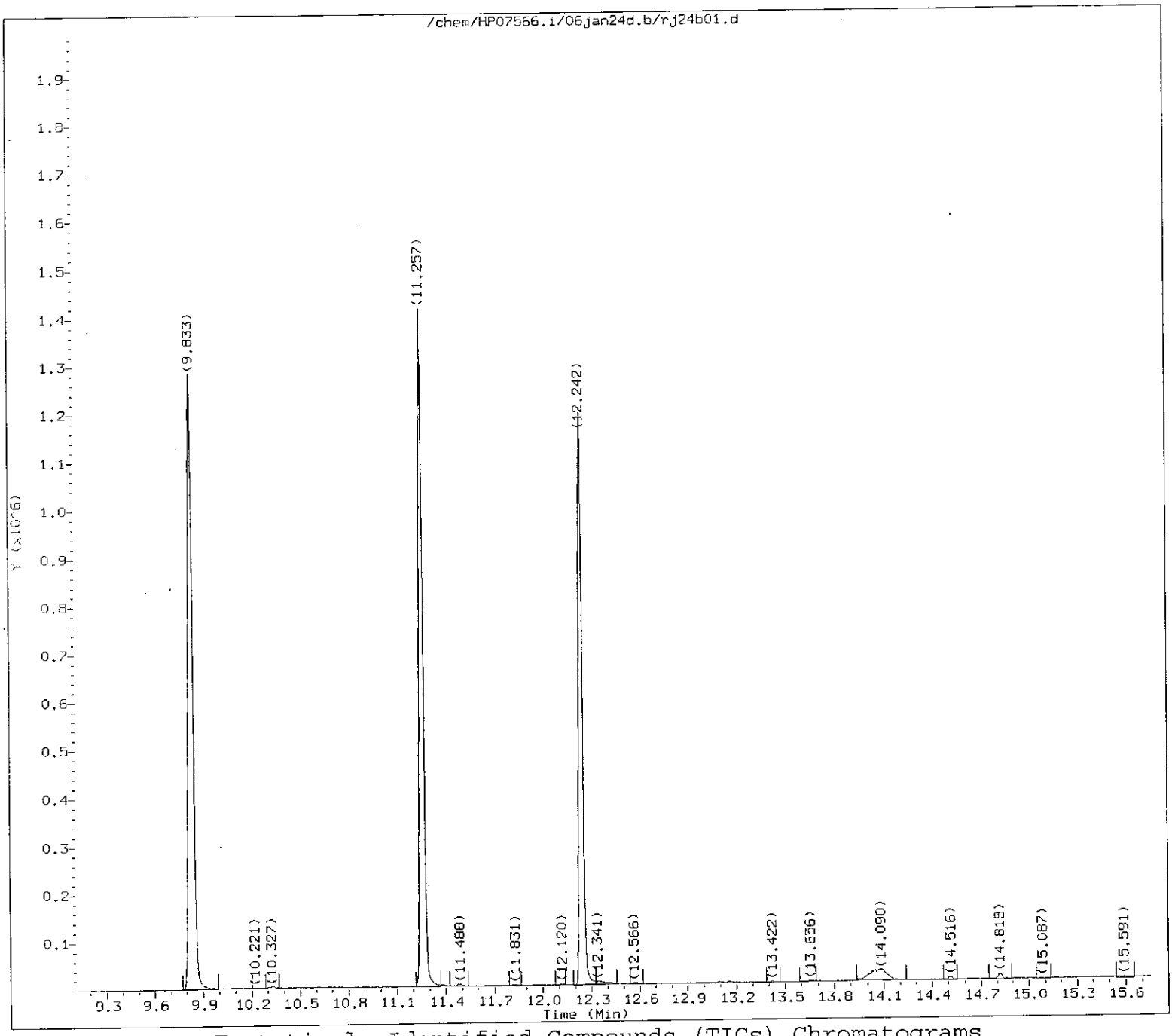
Date, time and analyst ID of latest file update: 25-Jan-2006 08:13 sam00983

Sample Name: VBLKR34 Lab Sample ID: VBLKR34

Internal Standard referenced: 1,4-Difluorobenzene at 7.979 minutes
Chromatogram Start Time (min.): 7.284
Chromatogram End Time (min.): 9.620

8392

1/25/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24b01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 18:56 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 25-Jan-2006 08:13 sam00983

Sample Name: VBLKR34 Lab Sample ID: VBLKR34

Internal Standard referenced: Chlorobenzene-d5 at 11.260 minutes
Chromatogram Start Time (min.): 9.620
Chromatogram End Time (min.): 15.748

0393

1/25/06

Lancaster Laboratories

Data file : /chem/HP07566.i/06jan24d.b/rj24b01.d
Lab Smp Id: VBLKR34 Client Smp ID: VBLKR34
Inj Date : 24-JAN-2006 18:56
Operator : JML01693 Inst ID: HP07566.i
Smp Info : VBLKR34;VBLKR34;1;3;;
Misc Info : ATTB.sub;R060241AA;;5;5;;;
Comment : Max. number of TICs to report is 30, 0 TICs were found initially.
Method : /chem/HP07566.i/06jan24d.b/ROLM32W.m
Meth Date : 25-Jan-2006 07:51 sam00983 Quant Type: ISTD
Cal Date : 24-JAN-2006 18:19 Cal File: rj24c01.d
Als bottle: 2 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7156.sub
Target Version: 3.50
Processing Host: d21cs04

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1/25/06

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-MS

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 6.32 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s02.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 12 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/Kg	Q
74-87-3	Chloromethane		2	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		3	U
75-00-3	Chloroethane		3	U
75-35-4	1,1-Dichloroethene		39	
67-64-1	Acetone		12	
75-15-0	Carbon Disulfide		5	J
75-09-2	Methylene Chloride		2	U
75-34-3	1,1-Dichloroethane		0.9	U
540-59-0	1,2-Dichloroethene (Total)		2	U
78-93-3	2-Butanone		6	U
67-66-3	Chloroform		0.9	U
71-55-6	1,1,1-Trichloroethane		0.9	U
56-23-5	Carbon Tetrachloride		0.9	U
71-43-2	Benzene		38	
107-06-2	1,2-Dichloroethane		2	U
79-01-6	Trichloroethene		34	
78-87-5	1,2-Dichloropropane		3	U
75-27-4	Bromodichloromethane		2	U
10061-01-5	cis-1,3-Dichloropropene		0.9	U
108-10-1	4-Methyl-2-Pentanone		3	U
108-88-3	Toluene		44	
10061-02-6	trans-1,3-Dichloropropene		0.9	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		0.9	U
591-78-6	2-Hexanone		3	U
124-48-1	Dibromochloromethane		0.9	U
108-90-7	Chlorobenzene		33	
100-41-4	Ethylbenzene		0.9	U
1330-20-7	Xylene (Total)		2	J

0395

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-MS

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 6.32 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26s02.d

Level: (low/med) LOW Date Received: 01/20/06

Moisture: not dec. 12 Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/Kg	Q
100-42-5	Styrene		0.9	U
75-25-2	Bromoform		0.9	U
79-34-5	1,1,2,2-Tetrachloroethane		0.9	U

8396

6005-MS

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4692565

File: /chem/HP07566.i/06jan26b.b/rj26s02.d
Sample: 6005-MS;4692565;2;3;MS;
Injected At:26-JAN-2006 19:34
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:0.79
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 6.3200 g (Ws)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
43) Bromochloromethane	6.569(0.004)	1552	128	109920(-14)	50.00	
58) 1,4-Difluorobenzene	7.961(-0.003)	1986	114	705962(-14)	50.00	
91) Chlorobenzene-d5	11.252(0.001)	3012	117	527198(-31)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
50) 1,2-Dichloroethane-d4	(1)	7.358(-0.001)	65	387980	53.187	106%		70 - 121
78) Toluene-d8	(3)	9.821(0.000)	98	808730	57.958	116%		84 - 138
103) 4-Bromofluorobenzene	(3)	12.237(0.000)	95	197653	34.986	70%		59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.58	7.91
3) Vinyl Chloride	(1)				ND	ND			1.58	7.91
5) Bromomethane	(1)				ND	ND			2.37	7.91
6) Chloroethane	(1)				ND	ND			2.37	7.91
10) 1,1-Dichloroethene	(1)	3.685(0.000)	96	211185	43.088	34.09			1.58	7.91
16) Acetone	(1)	3.707(0.001)	43	33229	12.998	10.28			5.54	7.91
18) Carbon Disulfide	(1)	3.993(0.001)	76	107178	5.821	4.61		J	2.37	7.91
22) Methylene Chloride	(1)				ND	ND			1.58	7.91
26) trans-1,2-Dichloroethene	(1)				ND	ND			1.58	7.91
31) 1,1-Dichloroethane	(1)				ND	ND			0.79	7.91
37) cis-1,2-Dichloroethene	(1)				ND	ND			1.58	7.91
40) 2-Butanone	(1)				ND	ND			5.54	7.91
45) Chloroform	(1)				ND	ND			0.79	7.91
46) 1,1,1-Trichloroethane	(2)				ND	ND			0.79	7.91
49) Carbon Tetrachloride	(2)				ND	ND			0.79	7.91
38) 1,2-Dichloroethene (Total)	(1)				ND	ND			1.58	7.91
52) Benzene	(2)	7.451(0.000)	78	974624	42.232	33.41			0.79	7.91
53) 1,2-Dichloroethane	(1)				ND	ND			1.58	7.91
61) Trichloroethene	(2)	8.314(0.000)	130	211171	38.289	30.29			0.79	7.91
66) 1,2-Dichloropropane	(2)				ND	ND			2.37	7.91
71) Bromodichloromethane	(2)				ND	ND			1.58	7.91
75) cis-1,3-Dichloropropene	(2)				ND	ND			0.79	7.91
76) 4-Methyl-2-Pentanone	(3)				ND	ND			2.37	7.91
80) Toluene	(3)	9.895(0.000)	91	971060	48.988	38.76			0.79	7.91

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

6005-MS

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4692565

File: /chem/HP07566.i/06jan26b.b/rj26s02.d
Sample: 6005-MS;4692565;2;3;MS;
Injected At:26-JAN-2006 19:34
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:0.79
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 6.3200 g (Ws)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
81) trans-1,3-Dichloropropene	(2)					ND	ND			0.79	7.91
83) 1,1,2-Trichloroethane	(2)					ND	ND			1.58	7.91
85) Tetrachloroethene	(3)					ND	ND			0.79	7.91
87) 2-Hexanone	(3)					ND	ND			2.37	7.91
88) Dibromochloromethane	(2)					ND	ND			0.79	7.91
92) Chlorobenzene	(3)	11.278	(0.000)	112	446810	37.073	29.33			0.79	7.91
94) Ethylbenzene	(3)					ND	ND			0.79	7.91
95) m+p-Xylene	(3)	11.477	(-0.001)	106	15659	1.865	1.48		J	0.79	7.91
96) Xylene (Total)	(3)			106	15659	1.890	1.50		J	0.79	7.91
97) o-Xylene	(3)					ND	ND			0.79	7.91
98) Styrene	(3)					ND	ND			0.79	7.91
99) Bromoform	(2)					ND	ND			0.79	7.91
108) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			0.79	7.91

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: _____ Date: 2/3/06

Auditor: _____ Date: 2/3/06

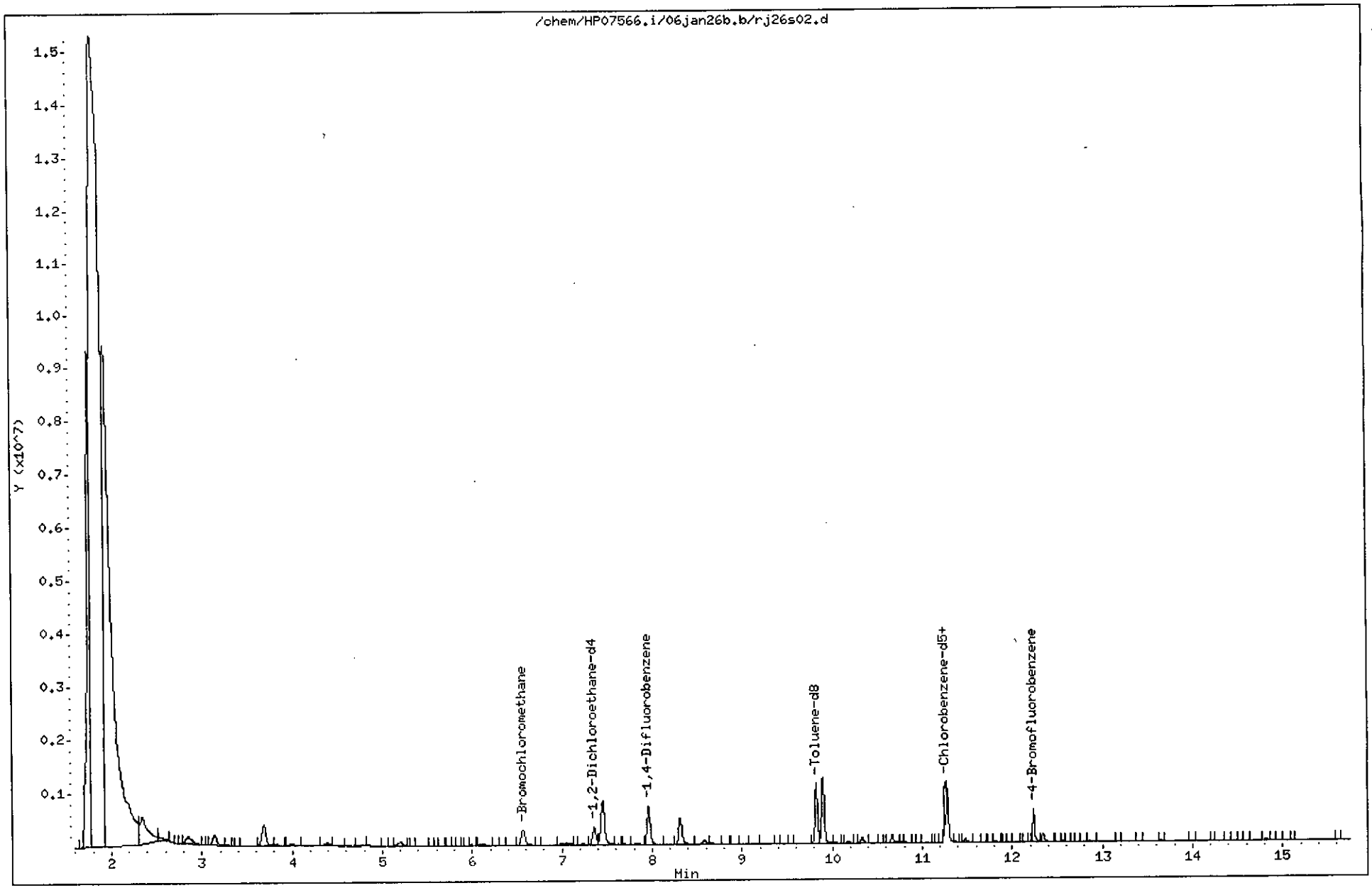
Data File: /chem/HP07566.i/06jan26b.b/rj26s02.d
Date : 26-JAN-2006 19:34
Client ID: 6005-MS
Sample Info: 6005-MS;4692565;2;0;;

Column phase: DB-624

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25

8399



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26s02.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 19:34 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 03-Feb-2006 09:48 rvn00349

Sample Name: 6005-MS Lab Sample ID: 4692565

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
10) 1,1-Dichloroethene	(1)	3.685	96	211185	43.088
16) Acetone	(1)	3.707	43	33229	12.998
18) Carbon Disulfide	(1)	3.993	76	107178	5.821
43)*Bromochloromethane	(1)	6.569	128	109920	50.000
52) Benzene	(2)	7.451	78	974624	42.232
58)*1,4-Difluorobenzene	(2)	7.961	114	705962	50.000
61) Trichloroethene	(2)	8.314	130	211171	38.289
80) Toluene	(3)	9.895	91	971060	48.988
91)*Chlorobenzene-d5	(3)	11.252	117	527198	50.000
92) Chlorobenzene	(3)	11.278	112	446810	37.073
95) m+p-Xylene	(3)	11.477	106	15659	1.865
96) Xylene (Total)	(3)		106	15659	1.890
50)$1,2-Dichloroethane-d4	(1)	7.358	65	387980	53.187
78)$Toluene-d8	(3)	9.821	98	808730	57.958
103)$4-Bromofluorobenzene	(3)	12.237	95	197653	34.986

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSR37

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: LCSR37

Sample wt/vol: 5.00 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26101.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/Kg	Q
74-87-3	Chloromethane		2	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		3	U
75-00-3	Chloroethane		3	U
75-35-4	1,1-Dichloroethene		54	
67-64-1	Acetone		7	U
75-15-0	Carbon Disulfide		3	U
75-09-2	Methylene Chloride		2	U
75-34-3	1,1-Dichloroethane		1	U
540-59-0	1,2-Dichloroethene (Total)		2	U
78-93-3	2-Butanone		7	U
67-66-3	Chloroform		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		51	
107-06-2	1,2-Dichloroethane		2	U
79-01-6	Trichloroethene		51	
78-87-5	1,2-Dichloropropane		3	U
75-27-4	Bromodichloromethane		2	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		3	U
108-88-3	Toluene		53	
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		3	U
124-48-1	Dibromochloromethane		1	U
108-90-7	Chlorobenzene		52	
100-41-4	Ethylbenzene		1	U
1330-20-7	Xylene (Total)		1	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSR37

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: LCSR37

Sample wt/vol: 5.00 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26l01.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: ____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/Kg	Q
100-42-5	Styrene		1	U
75-25-2	Bromoform		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U

8482

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

LCSR37

File: /chem/HP07566.i/06jan26b.b/rj26101.d
Sample: LCSR37;LCSR37;2;3;LCS;
Injected At:26-JAN-2006 17:59
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:1.00
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 5.0000 g (Ws)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
43) Bromochloromethane	6.575(-0.002)	1553	128	123243(-4)	50.00	
58) 1,4-Difluorobenzene	7.960(-0.002)	1985	114	808883(-1)	50.00	
91) Chlorobenzene-d5	11.251(0.001)	3011	117	709496(-7)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
50) 1,2-Dichloroethane-d4	(1)	7.364(-0.001)	65	417886	51.094	102%		70 - 121
78) Toluene-d8	(3)	9.824(0.000)	98	968776	51.589	103%		84 - 138
103) 4-Bromofluorobenzene	(3)	12.239(0.000)	95	333479	43.861	88%		59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			2.00	10.00
3) Vinyl Chloride	(1)				ND	ND			2.00	10.00
5) Bromomethane	(1)				ND	ND			3.00	10.00
6) Chloroethane	(1)				ND	ND			3.00	10.00
10) 1,1-Dichloroethene	(1)	3.688(0.000)	96	299611	54.522	54.52			2.00	10.00
16) Acetone	(1)				ND	ND			7.00	10.00
18) Carbon Disulfide	(1)				ND	ND			3.00	10.00
22) Methylene Chloride	(1)				ND	ND			2.00	10.00
26) trans-1,2-Dichloroethene	(1)				ND	ND			2.00	10.00
31) 1,1-Dichloroethane	(1)				ND	ND			1.00	10.00
37) cis-1,2-Dichloroethene	(1)				ND	ND			2.00	10.00
40) 2-Butanone	(1)				ND	ND			7.00	10.00
45) Chloroform	(1)				ND	ND			1.00	10.00
46) 1,1,1-Trichloroethane	(2)				ND	ND			1.00	10.00
49) Carbon Tetrachloride	(2)				ND	ND			1.00	10.00
38) 1,2-Dichloroethene (Total)	(1)				ND	ND			2.00	10.00
52) Benzene	(2)	7.457(0.000)	78	1357246	51.328	51.33			1.00	10.00
53) 1,2-Dichloroethane	(1)				ND	ND			2.00	10.00
61) Trichloroethene	(2)	8.313(0.000)	130	324916	51.417	51.42			1.00	10.00
66) 1,2-Dichloropropane	(2)				ND	ND			3.00	10.00
71) Bromodichloromethane	(2)				ND	ND			2.00	10.00
75) cis-1,3-Dichloropropene	(2)				ND	ND			1.00	10.00
76) 4-Methyl-2-Pentanone	(3)				ND	ND			3.00	10.00
80) Toluene	(3)	9.898(0.000)	91	1420446	53.247	53.25			1.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

LCSR37

File: /chem/HP07566.i/06jan26b.b/rj26101.d
Sample: LCSR37;LCSR37;2;3;LCS;
Injected At:26-JAN-2006 17:59
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:1.00
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 5.0000 g (Ws)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
81) trans-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
83) 1,1,2-Trichloroethane	(2)					ND	ND			2.00	10.00
85) Tetrachloroethene	(3)					ND	ND			1.00	10.00
87) 2-Hexanone	(3)					ND	ND			3.00	10.00
88) Dibromochloromethane	(2)					ND	ND			1.00	10.00
92) Chlorobenzene	(3)	11.280	(0.000)	112	839705	51.771	51.77			1.00	10.00
94) Ethylbenzene	(3)					ND	ND			1.00	10.00
95) m+p-Xylene	(3)					ND	ND			1.00	10.00
96) Xylene (Total)	(3)					ND	ND			1.00	10.00
97) o-Xylene	(3)					ND	ND			1.00	10.00
98) Styrene	(3)					ND	ND			1.00	10.00
99) Bromoform	(2)					ND	ND			1.00	10.00
108) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: _____

Analyst: JMLOS Date: 1/26/06

Auditor: _____ Date: 2/2/06

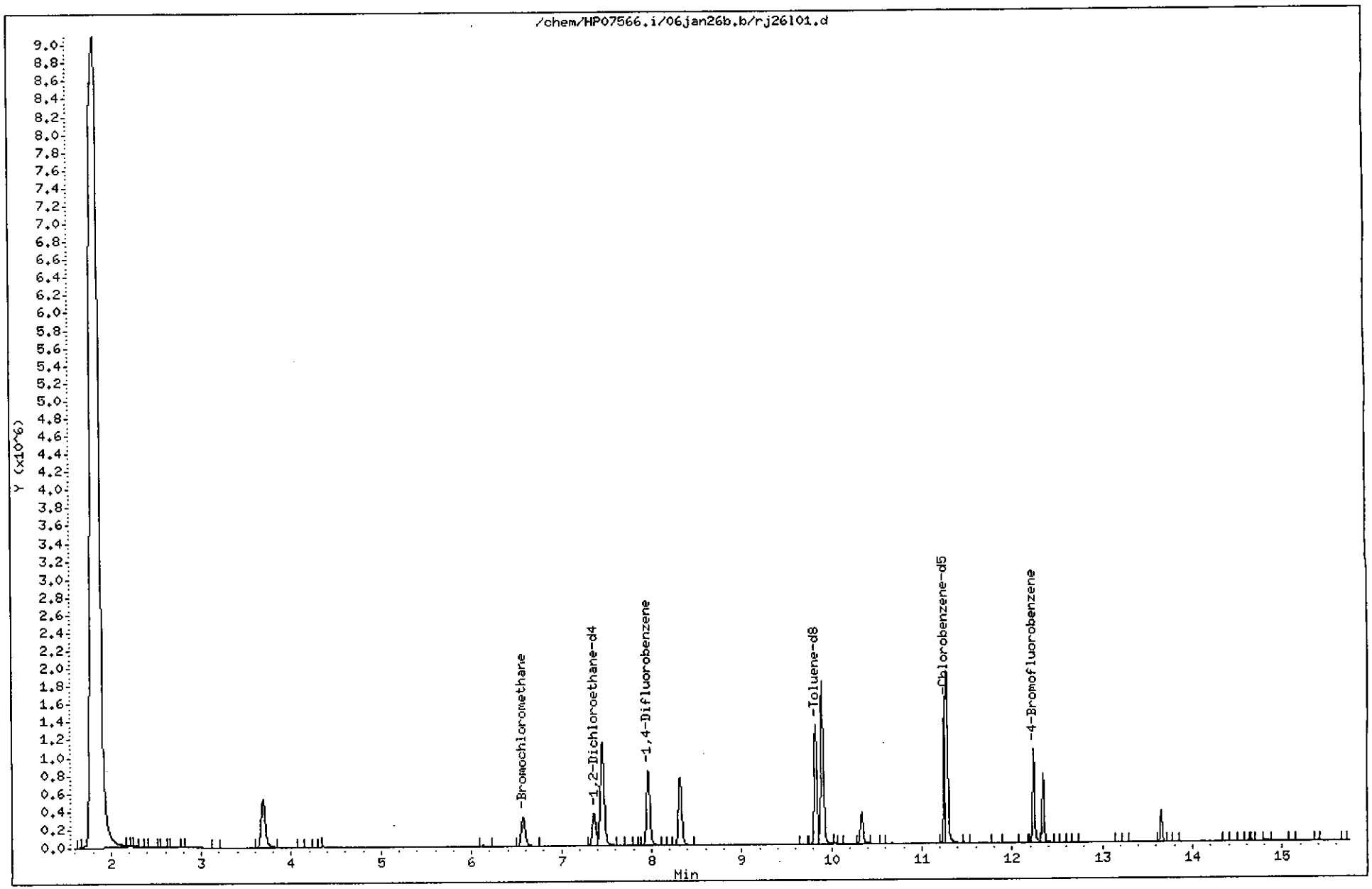
Data File: /chem/HP07566.i/06jan26b.b/rj26101.d
Date : 26-JAN-2006 17:59
Client ID: LCSR37
Sample Info: LCSR37;LCSR37;2;3;LCS;

Column phase: DB-624

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25

JML 1/26/06



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26l01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 17:59 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 26-Jan-2006 18:27 Automation

Sample Name: LCSR37 Lab Sample ID: LCSR37

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
10) 1,1-Dichloroethene	(1)	3.688	96	299611	54.522
43)*Bromochloromethane	(1)	6.575	128	123243	50.000
52) Benzene	(2)	7.457	78	1357246	51.328
58)*1,4-Difluorobenzene	(2)	7.960	114	808883	50.000
61) Trichloroethene	(2)	8.313	130	324916	51.417
80) Toluene	(3)	9.898	91	1420446	53.247
91)*Chlorobenzene-d5	(3)	11.251	117	709496	50.000
92) Chlorobenzene	(3)	11.280	112	839705	51.771
50)$1,2-Dichloroethane-d4	(1)	7.364	65	417886	51.094
78)$Toluene-d8	(3)	9.824	98	968776	51.589
103)$4-Bromofluorobenzene	(3)	12.239	95	333479	43.861

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCDR37

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: LCDR37

Sample wt/vol: 5.00 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26l02.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/Kg	Q
74-87-3	Chloromethane		2	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		3	U
75-00-3	Chloroethane		3	U
75-35-4	1,1-Dichloroethene		54	
67-64-1	Acetone		7	U
75-15-0	Carbon Disulfide		3	U
75-09-2	Methylene Chloride		2	U
75-34-3	1,1-Dichloroethane		1	U
540-59-0	1,2-Dichloroethene (Total)		2	U
78-93-3	2-Butanone		7	U
67-66-3	Chloroform		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		52	
107-06-2	1,2-Dichloroethane		2	U
79-01-6	Trichloroethene		51	
78-87-5	1,2-Dichloropropane		3	U
75-27-4	Bromodichloromethane		2	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		3	U
108-88-3	Toluene		52	
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		3	U
124-48-1	Dibromochloromethane		1	U
108-90-7	Chlorobenzene		51	
100-41-4	Ethylbenzene		1	U
1330-20-7	Xylene (Total)		1	U

8487

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCDR37

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: LCDR37

Sample wt/vol: 5.00 (g/mL) g Lab File ID: HP07566.i/06jan26b.b/rj26l02.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 01/26/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/Kg	Q
100-42-5	Styrene		1	U
75-25-2	Bromoform		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U

8482

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

LCDR37

File: /chem/HP07566.i/06jan26b.b/rj26102.d
Sample: LCDR37;LCDR37;2;3;LCSD;
Injected At:26-JAN-2006 18:25
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:1.00
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 5.0000 g (Ws)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
43) Bromochloromethane	6.569(0.003)	1552	128	123910(-3)	50.00	
58) 1,4-Difluorobenzene	7.961(-0.003)	1986	114	805910(-2)	50.00	
91) Chlorobenzene-d5	11.253(0.000)	3012	117	716702(-6)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
50) 1,2-Dichloroethane-d4	(1)	7.358(-0.001)	65	413850	50.328	101%		70 - 121
78) Toluene-d8	(3)	9.822(0.000)	98	971551	51.217	102%		84 - 138
103) 4-Bromofluorobenzene	(3)	12.237(0.000)	95	333008	43.359	87%		59 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			2.00	10.00
3) Vinyl Chloride	(1)				ND	ND			2.00	10.00
5) Bromomethane	(1)				ND	ND			3.00	10.00
6) Chloroethane	(1)				ND	ND			3.00	10.00
10) 1,1-Dichloroethene	(1)	3.686(0.000)	96	299998	54.298	54.30			2.00	10.00
16) Acetone	(1)				ND	ND			7.00	10.00
18) Carbon Disulfide	(1)				ND	ND			3.00	10.00
22) Methylene Chloride	(1)				ND	ND			2.00	10.00
26) trans-1,2-Dichloroethene	(1)				ND	ND			2.00	10.00
31) 1,1-Dichloroethane	(1)				ND	ND			1.00	10.00
37) cis-1,2-Dichloroethene	(1)				ND	ND			2.00	10.00
40) 2-Butanone	(1)				ND	ND			7.00	10.00
45) Chloroform	(1)				ND	ND			1.00	10.00
46) 1,1,1-Trichloroethane	(2)				ND	ND			1.00	10.00
49) Carbon Tetrachloride	(2)				ND	ND			1.00	10.00
38) 1,2-Dichloroethene (Total)	(1)				ND	ND			2.00	10.00
52) Benzene	(2)	7.451(0.000)	78	1367247	51.897	51.90			1.00	10.00
53) 1,2-Dichloroethane	(1)				ND	ND			2.00	10.00
61) Trichloroethene	(2)	8.314(0.000)	130	323750	51.422	51.42			1.00	10.00
66) 1,2-Dichloropropane	(2)				ND	ND			3.00	10.00
71) Bromodichloromethane	(2)				ND	ND			2.00	10.00
75) cis-1,3-Dichloropropene	(2)				ND	ND			1.00	10.00
76) 4-Methyl-2-Pentanone	(3)				ND	ND			3.00	10.00
80) Toluene	(3)	9.896(0.000)	91	1416908	52.580	52.58			1.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

LCDR37

File: /chem/HP07566.i/06jan26b.b/rj26102.d
Sample: LCDR37;LCDR37;2;3;LCSD;
Injected At:26-JAN-2006 18:25
Calibration Time: 29-JUN-2005 10:37
Target Method: ROLM32SL.m
Blank Reference: rj26b01.d
Sublist: 7157

Sample Concentration Formula: On-Column Amount * (Vt/Ws)
Batch:R060261AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj26c01.d
Prep Factor:1.00
Units: ug/Kg

Matrix: SOIL
Level: Low
Sample Wt./Vol.: 5.0000 g (Ws)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
81) trans-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
83) 1,1,2-Trichloroethane	(2)					ND	ND			2.00	10.00
85) Tetrachloroethene	(3)					ND	ND			1.00	10.00
87) 2-Hexanone	(3)					ND	ND			3.00	10.00
88) Dibromochloromethane	(2)					ND	ND			1.00	10.00
92) Chlorobenzene	(3)	11.278	(0.000)	112	840884	51.323	51.32			1.00	10.00
94) Ethylbenzene	(3)					ND	ND			1.00	10.00
95) m+p-Xylene	(3)					ND	ND			1.00	10.00
96) Xylene (Total)	(3)					ND	ND			1.00	10.00
97) o-Xylene	(3)					ND	ND			1.00	10.00
98) Styrene	(3)					ND	ND			1.00	10.00
99) Bromoform	(2)					ND	ND			1.00	10.00
108) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	10.00

Σ = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: JML Date: 1/26/06

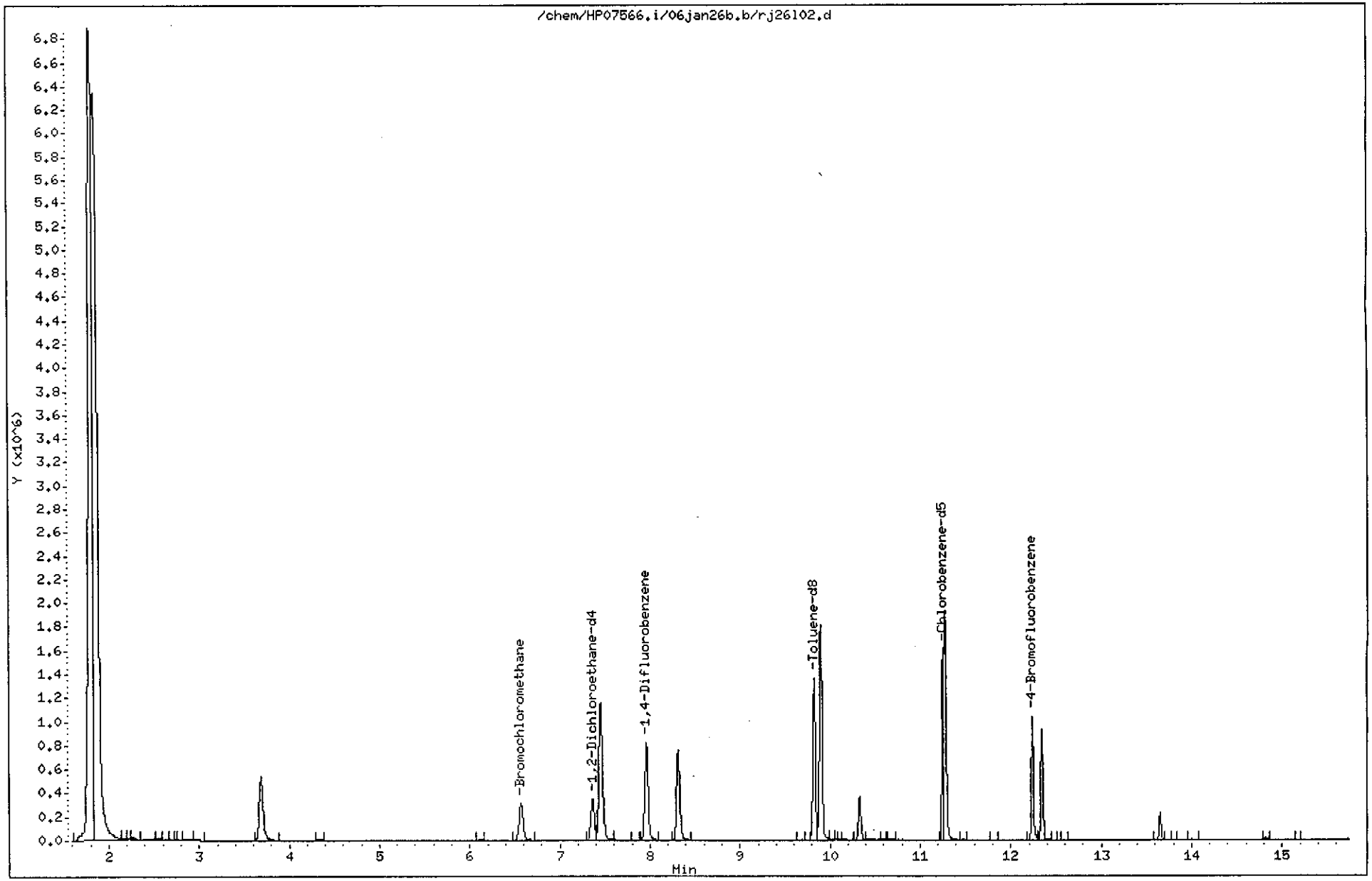
Auditor: Date: 1/26

Data File: /chem/HP07566.i/06jan26b.b/rj26102.d
Date : 26-JAN-2006 18:25
Client ID: LCDR37
Sample Info: LCDR37;LCDR37;2;3;LCSD;

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25

Column phase: DB-624



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26l02.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 18:25 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 26-Jan-2006 18:55 Automation

Sample Name: LCDR37 Lab Sample ID: LCDR37

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
10) 1,1-Dichloroethene	(1)	3.686	96	299998	54.298
43)*Bromochloromethane	(1)	6.569	128	123910	50.000
52) Benzene	(2)	7.451	78	1367247	51.897
58)*1,4-Difluorobenzene	(2)	7.961	114	805910	50.000
61) Trichloroethene	(2)	8.314	130	323750	51.422
80) Toluene	(3)	9.896	91	1416908	52.580
91)*Chlorobenzene-d5	(3)	11.253	117	716702	50.000
92) Chlorobenzene	(3)	11.278	112	840884	51.323
50)$1,2-Dichloroethane-d4	(1)	7.358	65	413850	50.328
78)$Toluene-d8	(3)	9.822	98	971551	51.217
103)$4-Bromofluorobenzene	(3)	12.237	95	333008	43.359

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Preparation Logs

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Vial Preparation

Sodium Bisulfate Dilution Lot #: 05 33201

Balance ID: 10034

Vial ID SB9357	Vial Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Sample Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
Lab Number 46925445	CB835	12-22-05	Sample ID (if no lab no.)	1-18-06	1700	32.07	36.57	4.50	1-20-06	1051	SS 1292	Y	N
Bottle Code 193D2	Comments												

Vial ID SB9358	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
Lab Number 46925445	CB835	12-22-05	Sample ID (if no lab no.)	1-18-06	1700	31.91	36.26	4.35	1-20-06	1051	SS 1292	N	N
Bottle Code 193B	Comments												

Vial ID SB9359	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
Lab Number 46925605	CB835	12-22-05	Sample ID (if no lab no.)	1-19-06	1340	31.96	38.28	6.32	1-20-06	1008	SMB 1292	N	N
Bottle Code 195A	Comments												

Vial ID SB9360	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
Lab Number 46925605	CB835	12-22-05	Sample ID (if no lab no.)	1-19-06	1340	31.96	38.15	6.19	1-20-06	1009	SMB 1292	N	N
Bottle Code 195B	Comments												

Reviewed by: _____ Date: _____

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Vial Preparation

Sodium Bisulfate Dilution Lot #: 05352C1

Balance ID: 10034

Vial ID	Vial Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Sample Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9361													
Lab Number 4692566	CB835	12-22-05	Sample ID (if no lab no.)	1-19-06	1045	32.14	38.70	6.66	1-20-06	1610	JMB/1292	N	N
Bottle Code 193A	Comments												

Vial ID	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9362													
Lab Number 4692566	CB835	12-22-05	Sample ID (if no lab no.)	1-19-06	1045	32.18	37.96	5.78	1-20-06	1611	JMB/1292	N	N
Bottle Code 193B	Comments												

Vial ID	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9363													
Lab Number 4692567	CB835	12-22-05	Sample ID (if no lab no.)	1-19-06	0915	32.29	38.46	6.17	1-20-06	1612	JMB/1292	N	N
Bottle Code 193A	Comments												

Vial ID	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9364													
Lab Number 4692567	CB835	12-22-05	Sample ID (if no lab no.)	1-19-06	0915	32.14	38.45	6.31	1-20-06	1613	JMB/1292	N	N
Bottle Code 193B	Comments												

Reviewed by: _____ Date: _____

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Vial Preparation

Sodium Bisulfate Dilution Lot #: 053520A

Balance ID: 10034

Vial ID / Lab Number / Bottle Code	Vial Prepared by Emp. #/Init.	Date Prepared	Client: / Sample ID (if no lab no.)	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Sample Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9365 / 46925681 / 193A	LB835	12-27-05		1-19-06	1155	32.19	38.27	6.08	1-20-06	1614	JMB/1292	N	N
Comments													
SB9366 / 46925682 / 193B	LB835	12-27-05		1-19-06	1155	32.32	38.45	6.11	1-20-06	1615	JMB/1292	N	N
Comments													
SB9367 / 46925691 / 193A	LB835	12-27-05		1-19-06	0945	32.25	38.19	5.94	1-20-06	1616	JMB/1292	N	N
Comments													
SB9368 / 46925692 / 193B	LB835	12-27-05		1-19-06	0945	32.15	38.19	6.04	1-20-06	1617	JMB/1292	N	N
Comments													

Reviewed by: _____ Date: _____

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Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Vial Preparation

Sodium Bisulfate Dilution Lot #: 05350 01

Balance ID: 10034

Vial ID	Vial Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Sample Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9369													
Lab Number: 4692570	68835	12-27-05	Sample ID (if no lab no.)	1-19-06	1025	32.36	37.72	5.36	1-20-06	1618	JMB/1292	Y	N
Bottle Code: 193A	Comments												

Vial ID	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
here SB9370													
Lab Number: 4692570	68835	12-27-05	Sample ID (if no lab no.)	1-19-06	1025	32.40	38.18	6.22	1-20-06	1619	JMB/1292	N	N
Bottle Code: 193B	Comments												

Vial ID	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
Ap SB9371													
Lab Number: 4692571	68835	12-27-05	Sample ID (if no lab no.)	1-19-06	1130	32.15	38.18	6.33	1-20-06	1620	JMB/1292	N	N
Bottle Code: 193A	Comments												

Vial ID	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9372													
Lab Number: 4692571	68835	12-27-05	Sample ID (if no lab no.)	1-19-06	1130	32.28	38.34	6.06	1-20-06	1621	JMB/1292	N	N
Bottle Code: 193B	Comments												

Reviewed by: _____ Date: _____

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Vial Preparation

Sodium Bisulfate Dilution Lot #: 053201

Balance ID: 10034

Vial ID	Vial Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Sample Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9373 here													
Lab Number: 4692572	LB835	12-27-05	Sample ID (if no lab no.)	1-19-06	1110	32.11	38.86	6.75	1-20-06	1602	JMB/1292	N	N
Bottle Code: 193A	Comments												

Vial ID	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9374 here													
Lab Number: 4692572	LB835	12-27-05	Sample ID (if no lab no.)	1-19-06	1110	32.30	38.41	6.11	1-20-06	1623	JMB/1292	N	N
Bottle Code: 193B	Comments												

Vial ID	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9375 here													
Lab Number: Blank	LB835	12-27-05	Sample ID (if no lab no.)			32.15							
Bottle Code	Comments: Blank												

Vial ID	Prepared by Emp. #/Init.	Date Prepared	Client:	Date collected	Time collected	Mass of vial and solution (g)	Mass of vial and solution and soil (g)	Net wt of soil (g)	Date soil prepared	Time prepared	Prepared by Emp. #/Init.	Meets Requirements (5 ± .5 g)	Problem Form 2138 Y or N
SB9376 here													
Lab Number	LB835	12-27-05	Sample ID (if no lab no.)			32.15							
Bottle Code	Comments												

Reviewed by: _____ Date: _____

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Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

GC/MS Volatiles pH Log

Batch #: R060241AA

LLI #	pH	Date Checked	Initials/ Employee #	Comments
4691287	CL	1/20/06	[illegible]	
4693387	CL	1/24/06	JMS	
4693470	CL	1/24/06	JMS	
4691286	CL	1/20/06	[illegible]	DFS/50 3573
4691286	CL	1/20/06	[illegible]	MS/D 3573
				8419

Lancaster Laboratories
Runlog for Hewelet Packard GC/MS System HP07566 **HP #15**

** Shift #1 Analyst: SML ** Shift #2 Analyst: JML ** Shift #3 Analyst: _____ *

Comment Code:
R = Reinjection necessary
S = Surrogate problem
NU = Not used
MR = Meets requirements
Cz = Confirms z, (z = S, I or X)
X = Sample sent to be reextracted
I = Internal Standard problem
F = Further dilution required
IUO = Internal use only
T = Injected outside valid tune period

Other problems or comments are as follows:

* OLM4.3 AND OLM3.2 LOW SOIL ICAL *

*

*

*

Data Directory Path is - C:\HPCHEM\1\DATA\06JAN26A\

FILE	SAMPLE	LLI#	DATE	TIME	BATCH	D.F.	NOTES
RJ26X01.D	BLANK	BLANK	26 Jan 2006	7:31			NU
RJ26X02.D	BLANK	BLANK	26 Jan 2006	7:58			NU
RJ26T01.D	BFB AUG 26	50ng BFB	26 Jan 2006	8:24			NU
RJ26T02.D	BFB AUG 26	50ng BFB	26 Jan 2006	8:36			MR
RJ26I01.D	VSTD010	VSTD010	26 Jan 2006	9:04			NU
RJ26I02.D	VSTD020	VSTD020	26 Jan 2006	9:31			~~MR~~ NU
RJ26I03.D	VSTD050	VSTD050	26 Jan 2006	9:58			MR
RJ26I06.D	VSTD010	VSTD010	26 Jan 2006	10:25			NU
RJ26I04.D	VSTD100	VSTD100	26 Jan 2006	10:57			MR
RJ26I05.D	VSTD200	VSTD200	26 Jan 2006	11:24			MR
RJ26CV1.D	VSTD050	VSTD050	26 Jan 2006	11:50			MR
RJ26X04.D	BLANK	CLEAN	26 Jan 2006	12:17			NU
RJ26I07.D	VSTD010	VSTD010	26 Jan 2006	12:50			MR
RJ26I08.D	VSTD020	VSTD020	26 Jan 2006	13:34			MR
RJ26M01.D	VSTD001	1PPB MDL	26 Jan 2006	15:48			MR

Jm 1/31/06

~~8428~~

Lancaster Laboratories
Runlog for Hewelet Packard GC/MS System HP07566 **HP #15**

** Shift #1 Analyst:_____** Shift #2 Analyst:____JML____** Shift #3 Analyst:_____*

Comment Code: R = Reinjection necessary X = Sample sent to be reextracted
S = Surrogate problem I = Internal Standard problem
NU = Not used F = Further dilution required
MR = Meets requirements IUO = Internal use only
Cz = Confirms z, (z = S, I or X) T = Injected outside valid tune period

Other problems or comments are as follows:

_____
_____OLM_3.2_LOW_ENCORES_____
_____
_____

Data Directory Path is - C:\HPCHEM\1\DATA\06JAN26B\

FILE	SAMPLE	LLI#	DATE	TIME	BATCH	D.F.	NOTES
RJ26T03.D	BFB AUG 26	50ng BFB	26 Jan 2006	16:33			MR
RJ26C01.D	VSTD050	VSTD050	26 Jan 2006	16:59			MR
RJ26B01.D	VBLKR37	VBLKR37	26 Jan 2006	17:32	R060261AA		MR
RJ26L01.D	LCSR37	LCSR37	26 Jan 2006	17:59	R060261AA		MR
RJ26L02.D	LCDR37	LCDR37	26 Jan 2006	18:25	R060261AA		MR
RJ26S01.D	6005-	4692565	26 Jan 2006	19:07	R060261AA		MR
RJ26S02.D	6005-MS	4692565	26 Jan 2006	19:34	R060261AA		MR
RJ26S03.D	6020-	4692566	26 Jan 2006	20:01	R060261AA		MR
RJ26S04.D	6014-	4692567	26 Jan 2006	20:27	R060261AA		MR
RJ26S05.D	6007-	4692568	26 Jan 2006	20:54	R060261AA		MR
RJ26S06.D	6024-	4692569	26 Jan 2006	21:21	R060261AA		MR
RJ26S07.D	6028-	4692570	26 Jan 2006	21:48	R060261AA		MR
RJ26S08.D	6008-	4692571	26 Jan 2006	22:15	R060261AA		MR
RJ26S09.D	6010-	4692572	26 Jan 2006	22:42	R060261AA		MR

Lancaster Laboratories
Runlog for Hewelet Packard GC/MS System HP07566 **HP #15**

** Shift #1 Analyst:_____SML___** Shift #2 Analyst:_____** Shift #3 Analyst:_____*

Comment Code:
R = Reinjection necessary
S = Surrogate problem
NU = Not used
MR = Meets requirements
Cz = Confirms z, (z = S, I or X)
X = Sample sent to be reextracted
I = Internal Standard problem
F = Further dilution required
IUO = Internal use only
T = Injected outside valid tune period

Other problems or comments are as follows:

_____OLM4.3AND OLM3.2 WATER ICAL_____
_____
_____
_____

Data Directory Path is - C:\HPCHEM\1\DATA\06JAN24B\

FILE	SAMPLE	LLI#	DATE	TIME	BATCH	D.F.	NOTES
RJ24T01.D	2uLBFBAUG26	50NG BFB	24 Jan 2006	11:03			NU
RJ24T02.D	2uLBFBAUG26	50NG BFB	24 Jan 2006	11:18			MR
RJ24I01.D	VSTD010	VSTD010	24 Jan 2006	11:40			MR
RJ24I02.D	VSTD020	VSTD020	24 Jan 2006	12:05			MR
RJ24I03.D	VSTD050	VSTD050	24 Jan 2006	12:30			MR
RJ24I04.D	VSTD100	VSTD100	24 Jan 2006	12:54	TRAPSHUTDOWNONBAKE		NU
RJ24I05.D	VSTD200	VSTD200	24 Jan 2006	13:19	TRAPSHUTDOWNONBAKE		NU
NU							
RJ24I06.D	VSTD100	VSTD100	24 Jan 2006	13:53			MR
RJ24I07.D	VSTD200	VSTD200	24 Jan 2006	14:18			MR
RJ24CV1.D	VSTD050	VSTD050	24 Jan 2006	14:42			MR
RJ24M01.D	VSTD001	1 PPB MDL	24 Jan 2006	15:07			MR

Lancaster Laboratories
Runlog for Hewelet Packard GC/MS System HP07566 **HP #15**

** Shift #1 Analyst: SML ** Shift #2 Analyst: JML ** Shift #3 Analyst: _____ *

Comment Code:
R = Reinjection necessary
S = Surrogate problem
NU = Not used
MR = Meets requirements
Cz = Confirms z, (z = S, I or X)
X = Sample sent to be reextracted
I = Internal Standard problem
F = Further dilution required
IUO = Internal use only
T = Injected outside valid tune period

Other problems or comments are as follows:

* OLM3.2 WATER AND OLM4.3 MDL STUDY *
* CLP *
*
*

Data Directory Path is - C:\HPCHEM\1\DATA\06JAN24D\

FILE	SAMPLE	LLI#	DATE	TIME	BATCH	D.F.	NOTES
RJ24T06.D	2uLBFBAUG26	50NG BFB	24 Jan 2006	17:57			MR
RJ24C01.D	VSTD050	VSTD050	24 Jan 2006	18:19			MR
RJ24B01.D	VBLKR34	VBLKR34	24 Jan 2006	18:56	R060241AA		MR
RJ24S01.D	TBJ18	4691287	24 Jan 2006	19:29	R060241AA		MR
RJ24S02.D	EB1J-	4693387	24 Jan 2006	19:54	R060241AA		MR
RJ24S03.D	TBPNV	4693470	24 Jan 2006	20:19	R060241AA		MR
RJ24S04.D	INJ18DL	4691286	24 Jan 2006	20:44	R060241AA	50	F
RJ24S05.D	INJ18	4691286	24 Jan 2006	21:09	R060241AA	5	MR
RJ24S06.D	VIBLKR01	VIBLKR01	24 Jan 2006	21:34	R060241AA		MR
RJ24S07.D	INJ18MS	4691286	24 Jan 2006	21:58	R060241AA	5	MR
RJ24S08.D	VIBLKR02	VIBLKR02	24 Jan 2006	22:23	R060241AA		MR
RJ24S09.D	INJ18MSD	4691286	24 Jan 2006	22:48	R060241AA	5	MR
RJ24B02.D	VBLKR35	VBLKR35	24 Jan 2006	23:13	R060183AB		MR
RJ20M01.D	MDL0.5	1MDL#1	24 Jan 2006	23:38	R060242AA		MR
RJ20M02.D	MDL0.5	1MDL#2	25 Jan 2006	00:03	R060242AA		MR
RJ20M03.D	MDL0.5	1MDL#3	25 Jan 2006	00:27	R060242AA		MR
RJ20M04.D	MDL0.5	1MDL#4	25 Jan 2006	00:52	R060242AA		MR
RJ20M05.D	MDL0.5	1MDL#5	25 Jan 2006	1:17	R060242AA		MR
RJ20M06.D	MDL0.5	1MDL#6	25 Jan 2006	1:42	R060242AA		MR
RJ20M07.D	MDL0.5	1MDL#7	25 Jan 2006	2:07	R060242AA		MR
RJ20M08.D	MDL1.0	2MDL#1	25 Jan 2006	2:31	R060242AA		NU
RJ20M09.D	MDL1.0	2MDL#2	25 Jan 2006	2:56	R060242AA		NU
RJ20M10.D	MDL1.0	2MDL#3	25 Jan 2006	3:21	R060242AA		NU
RJ20M11.D	MDL1.0	2MDL#4	25 Jan 2006	3:46	R060242AA		NU
RJ20M12.D	MDL1.0	2MDL#5	25 Jan 2006	4:11	R060242AA		NU
RJ20M13.D	MDL1.0	2MDL#6	25 Jan 2006	4:35	R060242AA	TRAPSHUTDOWN	NU
RJ20M14.D	MDL1.0	2MDL#7	25 Jan 2006	4:59	R060242AA		NU

Semivolatiles by GC/MS Data

QC Summary

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Lancaster Laboratories Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: PNV88

	LL #'s	EPA SAMPLE NO.	S1 (TPH)#	S2 (TBP)#	S3 (DCB)#	S4 (2CP)#	S5 (NBZ)#	S6 (PHL)#	S7 (2FP)#	S8 (FBP)#	TOT OUT
01	4692565	6005-	95	73	75	86	92	92	80	87	0
02	4692565	6005-MS	101	87	72	87	84	93	84	83	0
03	4692565	6005-MSD	114	84	79	90	86	94	85	86	0
04	4692566	6020-	95	69	63	80	77	87	75	76	0
05	4692567	6014-	104	73	67	79	81	88	75	83	0
06	4692568	6007-	98	82	71	81	84	87	77	84	0
07	4692569	6024-	100	73	70	83	79	91	80	80	0
08	4692570	6028-	106	88	72	88	83	91	86	81	0
09	4692571	6008-	98	77	68	82	77	85	78	76	0
10	4692572	6010-	106	77	64	81	81	90	76	81	0
11	SBLKLB021	SBLKLB0218	93	76	67	83	79	87	79	84	0
12	021LBLCS	021LBLCS8	99	89	83	96	92	98	89	90	0

		QC LIMITS	
S1 (TPH)	= Terphenyl-d14	(18-137)	
S2 (TBP)	= 2,4,6-Tribromophenol	(19-122)	
S3 (DCB)	= 1,2-Dichlorobenzene-d4	(20-130)	(advisory)
S4 (2CP)	= 2-Chlorophenol-d4	(20-130)	(advisory)
S5 (NBZ)	= Nitrobenzene-d5	(23-120)	
S6 (PHL)	= Phenol-d5	(24-113)	
S7 (2FP)	= 2-Fluorophenol	(25-121)	
S8 (FBP)	= 2-Fluorobiphenyl	(30-115)	

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Lancaster Laboratories Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: PNV88

	LL #'s	EPA SAMPLE NO.	S1 (TBP) #	S2 (PHL) #	S3 (DCB) #	S4 (2FP) #	S5 (2CP) #	S6 (TPH) #	S7 (NBZ) #	S8 (FBP) #	TOT OUT
01	4693387	EB1J-	120	98	82	93	97	95	95	89	0
02	SBLKWC025	SBLKWC0258	117	94	72	88	95	95	90	84	0
03	025WCLCS	025WCLCS8	119	99	82	95	100	98	94	93	0
04	025WCLCSD	025WCLCSD8	116	93	76	89	94	104	91	88	0

		QC LIMITS	
S1 (TBP)	= 2,4,6-Tribromophenol	(10-123)	
S2 (PHL)	= Phenol-d5	(10-110)	
S3 (DCB)	= 1,2-Dichlorobenzene-d4	(16-110)	(advisory)
S4 (2FP)	= 2-Fluorophenol	(21-110)	
S5 (2CP)	= 2-Chlorophenol-d4	(33-110)	(advisory)
S6 (TPH)	= Terphenyl-d14	(33-141)	
S7 (NBZ)	= Nitrobenzene-d5	(35-114)	
S8 (FBP)	= 2-Fluorobiphenyl	(43-116)	

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

3D

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Lancaster Laboratories Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No.: 6005-_____ Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	2840.91	ND	2350.48	83	26-90
2-Chlorophenol	2840.91	ND	2192.99	77	25-102
1,4-Dichlorobenzene	1893.94	ND	1108.27	58	28-104
N-Nitroso-di-n-prop.(1)	1893.94	ND	1496.52	79	41-126
1,2,4-Trichlorobenzene	1893.94	ND	1314.11	69	38-107
4-Chloro-3-methylphenol	2840.91	ND	2333.74	82	26-103
Acenaphthene	1893.94	ND	1561.70	82	31-137
4-Nitrophenol	2840.91	ND	2374.54	84	11-114
2,4-Dinitrotoluene	3787.88	ND	1583.25	42	28-89
Pentachlorophenol	2840.91	ND	1607.24	56	17-109
Pyrene	1893.94	ND	1395.11	74	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2840.91	2441.96	86	4	35	26-90
2-Chlorophenol	2840.91	2243.75	79	2	50	25-102
1,4-Dichlorobenzene	1893.94	1225.07	65	11	27	28-104
N-Nitroso-di-n-prop.(1)	1893.94	1626.93	86	8	38	41-126
1,2,4-Trichlorobenzene	1893.94	1402.28	74	7	23	38-107
4-Chloro-3-methylphenol	2840.91	2331.22	82	0	33	26-103
Acenaphthene	1893.94	1640.76	87	6	19	31-137
4-Nitrophenol	2840.91	2424.96	85	1	50	11-114
2,4-Dinitrotoluene	3787.88	1653.72	44	5	47	28-89
Pentachlorophenol	2840.91	1568.60	55	2	47	17-109
Pyrene	1893.94	1507.61	80	8	36	35-142

(1) N-Nitroso-di-n-propylamine

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS: _____

Lancaster Laboratories, Inc.
SOIL Semi Volatile Laboratory Control Sample Recovery

LAB NAME: LANCASTER LABS LAB CODE: LANCAS INSTRUMENT: HP04629

Method: SOW OLM03.2 File ID: hb058.d

LCS SAMPLE NO: 021LBLCS BATCH: 06021SLB026 Sample Code: 021LBLCS8

COMPOUND NAME	SPIKE LEVEL	LCS CONC UG/Kg	QCREF REC %	RANGE LOWER-UPPER	INSPEC
Phenol	2500.00	2151.27	86	26 - 90	YES
2-Chlorophenol	2500.00	2111.78	84	25 - 102	YES
1,4-Dichlorobenzene	1666.67	1122.48	67	28 - 104	YES
N-Nitroso-di-n-propylamine	1666.67	1326.11	80	41 - 126	YES
1,2,4-Trichlorobenzene	1666.67	1272.64	76	38 - 107	YES
4-Chloro-3-methylphenol	2500.00	2194.05	88	26 - 103	YES
Acenaphthene	1666.67	1421.09	85	31 - 137	YES
4-Nitrophenol	2500.00	2227.65	89	11 - 114	YES
2,4-Dinitrotoluene	1666.67	1429.90	86	28 - 89	YES
Pentachlorophenol	2500.00	1667.98	67	17 - 109	YES
Pyrene	1666.67	1227.87	74	35 - 142	YES

NC = Could not calculate

Comments: _____

8429

OLM03.0

Lancaster Laboratories, Inc.
Semi Volatiles Laboratory Control Sample Recoveries

LCS: hb078.d
025WCLCS8 025WCLCS
Method: SOW OLM03.2
Instrument: HP04629

LCS Duplicate: hb079.d
025WCLCSD8 025WCLCSD
Matrix/Level: W/L
Dilution Factor: 1.0

Batch: 06025WAC026

COMPOUND NAME	SPIKE LEVEL	LCS CONC UG/L	LCSD CONC UG/L	LCS REC %	LCSD REC %	Range LOWER-UPPER	REC INSPEC	RPD %	RPD MAX	RPD INSP
Phenol	75.00	68.81	63.69	92	85	12-110	YES	8	42	YES
2-Chlorophenol	75.00	69.56	64.16	93	86	27-123	YES	8	40	YES
1,4-Dichlorobenzene	50.00	37.85	33.74	76	67	36-97	YES	11	28	YES
N-Nitroso-di-n-propylamine	50.00	43.22	40.47	86	81	41-116	YES	6	38	YES
1,2,4-Trichlorobenzene	50.00	41.91	38.58	84	77	39-98	YES	8	28	YES
4-Chloro-3-methylphenol	75.00	69.59	67.78	93	90	23-97	YES	3	42	YES
Acenaphthene	50.00	48.29	46.32	96	93	46-118	YES	4	31	YES
4-Nitrophenol	75.00	71.89	66.21	96	88	10-80	NO	8	50	YES
2,4-Dinitrotoluene	50.00	48.52	44.85	97	90	24-96	NO	8	38	YES
Pentachlorophenol	75.00	72.32	65.92	96	88	9 -103	YES	9	50	YES
Pyrene	50.00	39.14	38.36	78	77	26-127	YES	2	31	YES

N/C = Could not calculate

Lab Chronicle: _____ Ent. by _____

_____ Ver. by _____

EPA SAMPLE NO.

SEMIVOLATILE METHOD BLANK SUMMARY

SBLKLB0218

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: hb057.d Lab Sample ID: SBLKLB021

Date Extracted: 01/23/06 Extraction: Sonc

Date Analyzed: 02/06/06 Time Analyzed: 19:28

Matrix (soil/water): SOIL Level: (low/med) LOW

Instrument ID: HP04629

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	021LBLCS8	021LBLCS	hb058.d	02/06/06
02	6005-	4692565	hb062.d	02/06/06
03	6020-	4692566	hb063.d	02/07/06
04	6014-	4692567	hb064.d	02/07/06
05	6007-	4692568	hb065.d	02/07/06
06	6024-	4692569	hb066.d	02/07/06
07	6028-	4692570	hb067.d	02/07/06
08	6008-	4692571	hb068.d	02/07/06
09	6010-	4692572	hb069.d	02/07/06
10	6005-MS	4692565	hb070.d	02/07/06
11	6005-MSD	4692565	hb071.d	02/07/06

COMMENTS:

8431

4B

EPA SAMPLE NO.

SBLKWC0258

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: hb077.d Lab Sample ID: SBLKWC025

Date Extracted: 01/26/06 Extraction: Cont

Date Analyzed: 02/07/06 Time Analyzed: 21:10

Matrix (soil/water): WATER Level: (low/med) LOW

Instrument ID: HP04629

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	025WCLCS8	025WCLCS	hb078.d	02/07/06
02	025WCLCSD8	025WCLCSD	hb079.d	02/07/06
03	EB1J-	4693387	hb080.d	02/08/06

COMMENTS:

9432

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: hb050.d DFTPP Injection Date: 02/06/06

Instrument ID: HP04629 DFTPP Injection Time: 10:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	33.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	47.3
70	Less than 2.0% of mass 69	0.09 (0.18)1
127	25.0 - 75.0% of mass 198	42.4
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.44
275	10.0 - 30.0% of mass 198	17.8
365	Greater than 0.75% of mass 198	2.83
441	Present, and less than mass 443	8.93
442	40.0 - 110% of mass 198	55.8
443	15.0 - 24.0% of mass 442	11.1 (19.9)2

1-Value is % mass 69 2-Value is % mass of 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD01016	CLP0346	hb051a.d	02/06/06	13:13
02	SSTD16016	CLP0346	hb052.d	02/06/06	14:16
03	SSTD12016	CLP0346	hb053.d	02/06/06	15:18
04	SSTD08016	CLP0346	hb054.d	02/06/06	16:21
05	SSTD05016	CLP0346	hb055.d	02/06/06	17:23
06	CLPICV0346	CLPICV0346	hb056.d	02/06/06	18:25
07	SBLKLB0218	SBLKLB021	hb057.d	02/06/06	19:28
08	021LBLCS8	021LBLCS	hb058.d	02/06/06	20:30

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: hb060.d DFTPP Injection Date: 02/06/06

Instrument ID: HP04629 DFTPP Injection Time: 21:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	36.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	50.9
70	Less than 2.0% of mass 69	0.25 (0.49)1
127	25.0 - 75.0% of mass 198	43.2
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.96
275	10.0 - 30.0% of mass 198	17.6
365	Greater than 0.75% of mass 198	1.98
441	Present, and less than mass 443	7.4
442	40.0 - 110% of mass 198	46.5
443	15.0 - 24.0% of mass 442	9.47 (20.4)2

1-Value is % mass 69 2-Value is % mass of 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD05017	CLP0346	hb061.d	02/06/06	21:57
02	6005-	4692565	hb062.d	02/06/06	23:00
03	6020-	4692566	hb063.d	02/07/06	00:03
04	6014-	4692567	hb064.d	02/07/06	01:05
05	6007-	4692568	hb065.d	02/07/06	02:08
06	6024-	4692569	hb066.d	02/07/06	03:11
07	6028-	4692570	hb067.d	02/07/06	04:13
08	6008-	4692571	hb068.d	02/07/06	05:16
09	6010-	4692572	hb069.d	02/07/06	06:18
10	6005-MS	4692565	hb070.d	02/07/06	07:21
11	6005-MSD	4692565	hb071.d	02/07/06	08:24

8434

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: hb075.d DFTPP Injection Date: 02/07/06

Instrument ID: HP04629 DFTPP Injection Time: 19:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	35.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	49.7
70	Less than 2.0% of mass 69	0.12 (0.25)1
127	25.0 - 75.0% of mass 198	42.9
197	Less than 1.0% of mass 198	0.0
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.15
275	10.0 - 30.0% of mass 198	18.9
365	Greater than 0.75% of mass 198	2.27
441	Present, and less than mass 443	8.9
442	40.0 - 110% of mass 198	54.1
443	15.0 - 24.0% of mass 442	10.3 (19.1)2

1-Value is % mass 69 2-Value is % mass of 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD05019	CLP0346	hb076.d	02/07/06	19:30
02	SBLKWC0258	SBLKWC025	hb077.d	02/07/06	21:10
03	025WCLCS8	025WCLCS	hb078.d	02/07/06	22:12
04	025WCLCSD8	025WCLCSD	hb079.d	02/07/06	23:14
05	EB1J-	4693387	hb080.d	02/08/06	00:17

#435

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): hb055.d Date Analyzed: 02/06/06

Instrument ID: HP04629 Time Analyzed: 17:23

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	88278	13.392	315219	17.185	159191	22.637
	UPPER LIMIT	176556	13.892	630438	17.685	318382	23.137
	LOWER LIMIT	44139	12.892	157610	16.685	79596	22.137
	EPA SAMPLE NO.						
01	SBLKLB0218	88238	13.392	316490	17.180	164283	22.624
02	021LBLCS8	66728	13.392	248895	17.180	131485	22.624

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk
* Values outside of QC limits.

8436

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): hb055.d Date Analyzed: 02/06/06

Instrument ID: HP04629 Time Analyzed: 17:23

		IS4(PHN)			IS5(CRY)			IS6(PRY)	
		AREA #	RT #		AREA #	RT #		AREA #	RT #
	12 HOUR STD	246813	27.181		184832	34.324		150493	41.297
	UPPER LIMIT	493626	27.681		369664	34.824		300986	41.797
	LOWER LIMIT	123406	26.681		92416	33.824		75246	40.797
	EPA SAMPLE NO.								
01	SBLKLB0218	265294	27.170		202693	34.311		151226	41.282
02	021LBLCS8	210998	27.174		163301	34.303		116963	41.284

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

8437

Column used to flag internal standard are and RT values with an asterisk
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): hb061.d Date Analyzed: 02/06/06

Instrument ID: HP04629 Time Analyzed: 21:57

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	86018	13.392	310117	17.185	169172	22.627
	UPPER LIMIT	172036	13.892	620234	17.685	338344	23.127
	LOWER LIMIT	43009	12.892	155058	16.685	84586	22.127
	EPA SAMPLE NO.						
01	6005-	77231	13.384	264334	17.177	141179	22.621
02	6020-	96889	13.386	348045	17.181	189421	22.620
03	6014-	92642	13.385	327247	17.180	169186	22.630
04	6007-	106348	13.386	364815	17.183	192157	22.627
05	6024-	85603	13.383	315362	17.174	164716	22.626
06	6028-	83319	13.385	298687	17.180	163747	22.624
07	6008-	88898	13.385	319082	17.180	168584	22.628
08	6010-	88677	13.386	312615	17.172	167534	22.625
09	6005-MS	88872	13.386	315635	17.172	172869	22.624
10	6005-MSD	90819	13.386	334392	17.173	177165	22.619

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): hb061.d Date Analyzed: 02/06/06

Instrument ID: HP04629 Time Analyzed: 21:57

		IS4(PHN)		IS5(CRY)		IS6(PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	263429	27.181	193434	34.315	145841	41.292
	UPPER LIMIT	526858	27.681	386868	34.815	291682	41.792
	LOWER LIMIT	131714	26.681	96717	33.815	72920	40.792
	EPA SAMPLE NO.						
01	6005-	217098	27.174	161446	34.311	111674	41.292
02	6020-	298604	27.179	216406	34.314	143448	41.305
03	6014-	265195	27.170	185424	34.316	133548	41.295
04	6007-	297993	27.180	209264	34.316	150014	41.306
05	6024-	256092	27.168	186440	34.304	130614	41.295
06	6028-	241542	27.171	170770	34.311	122090	41.301
07	6008-	252151	27.175	178836	34.303	129893	41.292
08	6010-	268108	27.170	180026	34.309	127257	41.299
09	6005-MS	274329	27.169	194448	34.311	135715	41.286
10	6005-MSD	276661	27.169	181368	34.308	126396	41.270

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk 0439
* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): hb076.d Date Analyzed: 02/07/06

Instrument ID: HP04629 Time Analyzed: 19:30

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	84224	13.313	308891	17.096	162638	22.539
	UPPER LIMIT	168448	13.813	617782	17.596	325276	23.039
	LOWER LIMIT	42112	12.813	154446	16.596	81319	22.039
	EPA SAMPLE NO.						
01	SBLKWC0258	98922	13.303	357775	17.100	187407	22.534
02	025WCLCS8	99563	13.304	368106	17.093	193172	22.538
03	025WCLCSD8	95466	13.313	338449	17.092	177314	22.536
04	EB1J-	95048	13.302	337436	17.099	185778	22.532

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): hb076.d Date Analyzed: 02/07/06

Instrument ID: HP04629 Time Analyzed: 19:30

		IS4(PHN)		IS5(CRY)		IS6(PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	274778	27.094	243248	34.219	221097	41.105
	UPPER LIMIT	549556	27.594	486496	34.719	442194	41.605
	LOWER LIMIT	137389	26.594	121624	33.719	110548	40.605
	EPA SAMPLE NO.						
01	SBLKWC0258	291667	27.090	264959	34.210	222117	41.083
02	025WCLCS8	323900	27.097	288465	34.208	231013	41.100
03	025WCLCSD8	289171	27.095	252296	34.205	217465	41.077
04	EB1J-	300216	27.091	274852	34.218	239578	41.108

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk
* Values outside of QC limits.

Sample Data

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb062.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL	UG/KG	Q
108-95-2	Phenol			38	U
111-44-4	bis(2-Chloroethyl)ether			38	U
95-57-8	2-Chlorophenol			38	U
541-73-1	1,3-Dichlorobenzene			38	U
106-46-7	1,4-Dichlorobenzene			38	U
95-50-1	1,2-Dichlorobenzene			38	U
95-48-7	2-Methylphenol			38	U
108-60-1	2,2'-oxybis(1-Chloropropane)			38	U
106-44-5	4-Methylphenol			38	U
621-64-7	N-Nitroso-di-n-propylamine			38	U
67-72-1	Hexachloroethane			38	U
98-95-3	Nitrobenzene			38	U
78-59-1	Isophorone			38	U
88-75-5	2-Nitrophenol			38	U
105-67-9	2,4-Dimethylphenol			76	U
111-91-1	bis(2-Chloroethoxy)methane			38	U
120-83-2	2,4-Dichlorophenol			38	U
120-82-1	1,2,4-Trichlorobenzene			38	U
91-20-3	Naphthalene			38	U
106-47-8	4-Chloroaniline			150	U
87-68-3	Hexachlorobutadiene			38	U
59-50-7	4-Chloro-3-methylphenol			38	U
91-57-6	2-Methylnaphthalene			38	U
77-47-4	Hexachlorocyclopentadiene			76	U
88-06-2	2,4,6-Trichlorophenol			38	U
95-95-4	2,4,5-Trichlorophenol			38	U
91-58-7	2-Chloronaphthalene			38	U
88-74-4	2-Nitroaniline			38	U
131-11-3	Dimethylphthalate			38	U
606-20-2	2,6-Dinitrotoluene			38	U

2443

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb062.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL	UG/KG	Q
208-96-8	Acenaphthylene			38	U
99-09-2	3-Nitroaniline			76	U
83-32-9	Acenaphthene			38	U
51-28-5	2,4-Dinitrophenol			190	U
100-02-7	4-Nitrophenol			38	U
132-64-9	Dibenzofuran			38	U
121-14-2	2,4-Dinitrotoluene			38	U
84-66-2	Diethylphthalate			38	U
7005-72-3	4-Chlorophenyl-phenylether			38	U
86-73-7	Fluorene			38	U
100-01-6	4-Nitroaniline			76	U
534-52-1	4,6-Dinitro-2-methylphenol			38	U
86-30-6	N-Nitrosodiphenylamine			38	U
101-55-3	4-Bromophenyl-phenylether			38	U
118-74-1	Hexachlorobenzene			38	U
87-86-5	Pentachlorophenol			190	U
85-01-8	Phenanthrene			38	U
120-12-7	Anthracene			38	U
86-74-8	Carbazole			38	U
84-74-2	Di-n-butylphthalate			76	U
206-44-0	Fluoranthene			38	U
129-00-0	Pyrene			38	U
85-68-7	Butylbenzylphthalate			38	U
91-94-1	3,3'-Dichlorobenzidine			76	U
56-55-3	Benzo(a)anthracene			38	U
117-81-7	bis(2-Ethylhexyl)phthalate			38	U
218-01-9	Chrysene			38	U
117-84-0	Di-n-octylphthalate			38	U
205-99-2	Benzo(b)fluoranthene			38	U
207-08-9	Benzo(k)fluoranthene			38	U

8444

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

6005-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) G Lab File ID: hb062.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: not dec: 12 dec: Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: Extraction: Sonc

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL	UG/KG	Q
50-32-8	Benzo(a)pyrene			38	U
193-39-5	Indeno(1,2,3-cd)pyrene			38	U
53-70-3	Dibenz(a,h)anthracene			38	U
191-24-2	Benzo(g,h,i)perylene			38	U

8445

6005-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4692565

Data file: /chem/HP04629.i/06feb06a.b/hb062.d Blank Data file reference:/chem/HP04629.i/06feb06.b/hb057.d
Injection date and time: 06-FEB-2006 23:00 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time (Last Method Edit): 06-FEB-2006 22:54
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws) Matrix: SOIL GPC Cleanup: Yes

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/2ul)	QC Flag
18) 1,4-Dichlorobenzene-d4	13.384(0.008)	848	152.0	77231(-10)	40.00	
41) Naphthalene-d8	17.177(0.008)	1232	136.0	264334(-15)	40.00	
64) Acenaphthene-d10	22.621(0.006)	1782	164.0	141179(-17)	40.00	
87) Phenanthrene-d10	27.174(0.007)	2241	188.0	217098(-18)	40.00	
99) Chrysene-d12	34.311(0.003)	2959	240.0	161446(-17)	40.00	
105) Perylene-d12	41.292(-0.001)	3665	264.0	111674(-23)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
4) 2-Fluorophenol	(1)	9.733(-0.001)	112	355925	120.504	80%		25 - 121
10) Phenol-d5	(1)	12.180(0.000)	99	444473	137.820	92%		24 - 113
14) 2-Chlorophenol-d4	(1)	12.723(0.000)	132	390343	128.702	86%		20 - 130
21) 1,2-Dichlorobenzene-d4	(1)	13.838(0.000)	152	143629	75.073	75%		20 - 130
32) Nitrobenzene-d5	(2)	14.984(0.000)	82	251320	91.610	92%		23 - 120
54) 2-Fluorobiphenyl	(3)	20.471(0.000)	172	432367	86.830	87%		30 - 115
82) 2,4,6-Tribromophenol	(4)	25.079(0.000)	330	99129	109.323	73%		19 - 122
94) Terphenyl-d14	(5)	31.290(0.000)	244	368124	95.287	95%		18 - 137

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
11) Phenol	(1)				Below MDL, Do not report				2.00
13) bis(2-Chloroethyl)ether	(1)				ND	ND			2.00
15) 2-Chlorophenol	(1)				ND	ND			2.00
17) 1,3-Dichlorobenzene	(1)				ND	ND			2.00
19) 1,4-Dichlorobenzene	(1)				ND	ND			2.00
22) 1,2-Dichlorobenzene	(1)				ND	ND			2.00
23) 2-Methylphenol	(1)				Below MDL, Do not report				2.00
24) 2,2'-oxybis(1-Chloropropane)	(1)				ND	ND			2.00
28) N-Nitroso-di-n-propylamine	(1)				Below MDL, Do not report				2.00
26) 4-Methylphenol	(1)				Below MDL, Do not report				2.00
30) Hexachloroethane	(1)				ND	ND			2.00
33) Nitrobenzene	(2)				Below MDL, Do not report				2.00
34) Isophorone	(2)				Below MDL, Do not report				2.00
35) 2-Nitrophenol	(2)				ND	ND			2.00
36) 2,4-Dimethylphenol	(2)				ND	ND			4.00
37) bis(2-Chloroethoxy)methane	(2)				ND	ND			2.00
39) 2,4-Dichlorophenol	(2)				ND	ND			2.00
40) 1,2,4-Trichlorobenzene	(2)				ND	ND			2.00
42) Naphthalene	(2)				ND	ND			2.00
43) 4-Chloroaniline	(2)				Below MDL, Do not report				8.00

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

Data file: /chem/HP04629.i/06feb06a.b/hb062.d Blank Data file reference:**/chem/HP04629.i/06feb06.b/hb057.d**
Injection date and time: 06-FEB-2006 23:00 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: **SCLP**
Calibration date and time (Last Method Edit): 06-FEB-2006 22:54
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws) Matrix: SOIL GPC Cleanup: Yes

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
44) Hexachlorobutadiene	(2)					ND	ND			2.00
47) 4-Chloro-3-methylphenol	(2)					ND	ND			2.00
49) 2-Methylnaphthalene	(2)					ND	ND			2.00
51) Hexachlorocyclopentadiene	(3)					ND	ND			4.00
52) 2,4,6-Trichlorophenol	(3)					ND	ND			2.00
53) 2,4,5-Trichlorophenol	(3)					ND	ND			2.00
57) 2-Chloronaphthalene	(3)					ND	ND			2.00
58) 2-Nitroaniline	(3)				Below MDL,	Do not report				2.00
60) Dimethylphthalate	(3)					ND	ND			2.00
61) 2,6-Dinitrotoluene	(3)				Below MDL,	Do not report				2.00
62) Acenaphthylene	(3)					ND	ND			2.00
63) 3-Nitroaniline	(3)				Below MDL,	Do not report				4.00
67) Acenaphthene	(3)				Below MDL,	Do not report				2.00
68) 2,4-Dinitrophenol	(3)					ND	ND			10.00
69) 4-Nitrophenol	(3)				Below MDL,	Do not report				2.00
71) Dibenzofuran	(3)				Below MDL,	Do not report				2.00
72) 2,4-Dinitrotoluene	(3)					ND	ND			2.00
74) Diethylphthalate	(3)				Below MDL,	Do not report				2.00
76) Fluorene	(3)				Below MDL,	Do not report				2.00
75) 4-Chlorophenyl-phenylether	(3)				Below MDL,	Do not report				2.00
78) 4-Nitroaniline	(3)				Below MDL,	Do not report				4.00
79) 4,6-Dinitro-2-methylphenol	(4)				Below MDL,	Do not report				2.00
80) N-Nitrosodiphenylamine	(4)				Below MDL,	Do not report				2.00
83) 4-Bromophenyl-phenylether	(4)					ND	ND			2.00
84) Hexachlorobenzene	(4)					ND	ND			2.00
86) Pentachlorophenol	(4)					ND	ND			10.00
88) Phenanthrene	(4)				Below MDL,	Do not report				2.00
89) Anthracene	(4)				Below MDL,	Do not report				2.00
90) Carbazole	(4)				Below MDL,	Do not report				2.00
91) Di-n-butylphthalate	(4)				Below MDL,	Do not report				4.00
92) Fluoranthene	(4)				Below MDL,	Do not report				2.00
93) Pyrene	(5)				Below MDL,	Do not report				2.00
95) Butylbenzylphthalate	(5)				Below MDL,	Do not report				2.00
96) 3,3'-Dichlorobenzidine	(5)					ND	ND			4.00
97) Benzo(a)anthracene	(5)				Below MDL,	Do not report				2.00
100) Chrysene	(5)				Below MDL,	Do not report				2.00
98) bis(2-Ethylhexyl)phthalate	(5)				Below MDL,	Do not report				2.00
101) Di-n-octylphthalate	(6)				Below MDL,	Do not report				2.00
102) Benzo(b)fluoranthene	(6)				Below MDL,	Do not report				2.00
103) Benzo(k)fluoranthene	(6)				Below MDL,	Do not report				2.00
104) Benzo(a)pyrene	(6)				Below MDL,	Do not report				2.00

6005- Lancaster Labs 4692565
Quantitation Report GC/MS Semi-Volatiles

Data file: /chem/HP04629.i/06feb06a.b/hb062.d Blank Data file reference:**/chem/HP04629.i/06feb06.b/hb057.d**
Injection date and time: 06-FEB-2006 23:00 Instrument ID: HP04629.i Batch: 06021SLB
Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: **SCLP**
Calibration date and time (Last Method Edit): 06-FEB-2006 22:54
Mid Level Daily Calibration Standard Reference: /chem/HP04629.i/06feb06a.b/hb061.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt * Gf/(Vi * Ws) Matrix: SOIL GPC Cleanup: Yes

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 2 ul
Sample Weight (Ws): 30.0 g Final Extract Volume (Vt): 500 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/2ul)
106) Indeno(1,2,3-cd)pyrene	(6)					ND	ND			2.00
107) Dibenz(a,h)anthracene	(6)					ND	ND			2.00
108) Benzo(g,h,i)perylene	(6)					ND	ND			2.00

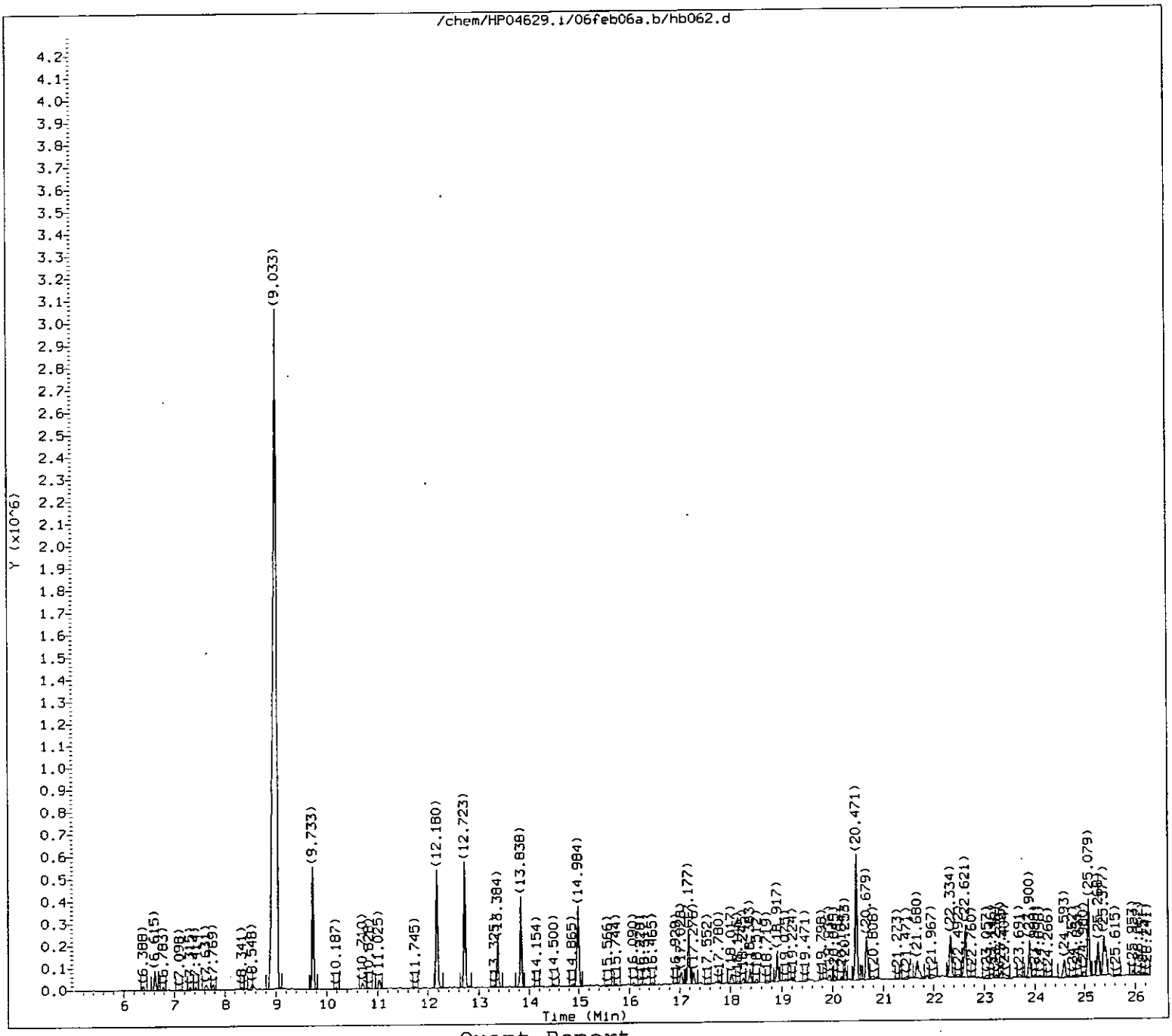
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 64

Comments:

Analyst: Date: 02/07/06
Auditor: Date: 2/7/06

0448



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb062.d
Injection date and time: 06-FEB-2006 23:00

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 06-FEB-2006 22:54

Sublist used: SCLP

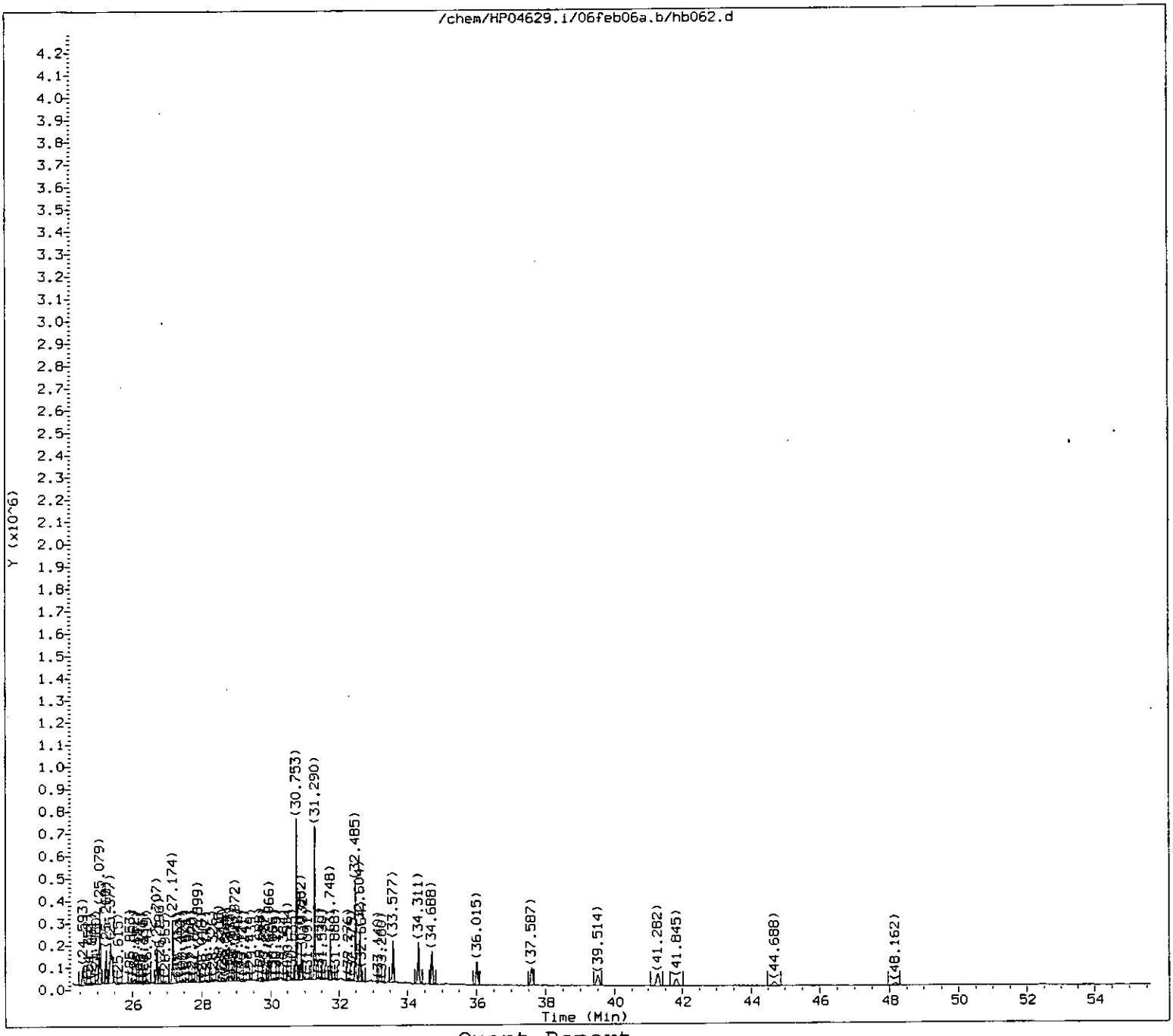
Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Sample Name: 6005-

Lab Sample ID: 4692565

8449

lmh1980 02/07/06



Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb062.d
Injection date and time: 06-FEB-2006 23:00

Instrument ID: HP04629.i
Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m
Calibration date and time: 06-FEB-2006 22:54

Sublist used: SCLP

Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Sample Name: 6005-

Lab Sample ID: 4692565

8450

lmh1956 02/07/06

Quant Report

Target Revision 3.5

Data File: /chem/HP04629.i/06feb06a.b/hb062.d Instrument ID: HP04629.i
Injection date and time: 06-FEB-2006 23:00 Analyst ID: lmh00956

Method used: /chem/HP04629.i/06feb06a.b/clp.m Sublist used: SCLP
Calibration date and time: 06-FEB-2006 22:54
Date, time and analyst ID of latest file update: 07-Feb-2006 00:14 lmh00956

Sample Name: 6005- Lab Sample ID: 4692565

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
18) 1,4-Dichlorobenzene-d4	(1)	13.384	152	77231	40.000
41) Naphthalene-d8	(2)	17.177	136	264334	40.000
64) Acenaphthene-d10	(3)	22.621	164	141179	40.000
87) Phenanthrene-d10	(4)	27.174	188	217098	40.000
99) Chrysene-d12	(5)	34.311	240	161446	40.000
105) Perylene-d12	(6)	41.292	264	111674	40.000
4) 2-Fluorophenol	(1)	9.733	112	355925	120.504
10) Phenol-d5	(1)	12.180	99	444473	137.820
14) 2-Chlorophenol-d4	(1)	12.723	132	390343	128.702
21) 1,2-Dichlorobenzene-d4	(1)	13.838	152	143629	75.073
32) Nitrobenzene-d5	(2)	14.984	82	251320	91.610
54) 2-Fluorobiphenyl	(3)	20.471	172	432367	86.830
82) 2,4,6-Tribromophenol	(4)	25.079	330	99129	109.323
94) Terphenyl-d14	(5)	31.290	244	368124	95.287

M = Compound was manually integrated. A = User selected an alternate hit

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

6005-

Lab Name: Lancaster Laboratories Contract:

Lab Code: LANCAS Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) g Lab File ID: hb062.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: 12 Decanted: (Y/N) Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: Y pH: Extraction: Sonc

CONCENTRATION UNITS:

Number TICs found: 14 (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	18.017	190	J
2.		Unknown	20.808	110	J
3.		Unknown	21.967	100	J
4.		Unknown	23.404	120	J
5.		Unknown	24.980	80	J
6.		Unknown	25.268	330	J B
7.		Unknown Carboxylic Acid	28.505	96	J
8.		Unknown	28.833	91	J
9.		Unknown Carboxylic Acid	30.514	130	J
10.		Unknown Carboxylic Acid	30.753	1800	J B
11.		Unknown	30.932	250	J
12.		Unknown	32.485	1200	J B
13.		Unknown	32.664	160	J
14.		Unknown	48.162	250	J
15.					
16.					
17.					
18.					
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27.					
28.					
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30.					

0452

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ALKANE SUMMARY SHEET

6005-

Lab Name: Lancaster Laboratories Contract:

Lab Code: LANCAS Case No.: SAS No.: SDG No.:

Matrix: (soil/water) SOIL Lab Sample ID: 4692565

Sample wt/vol: 30 (g/mL) g Lab File ID: hb062.d

Level: (low/med) LOW Date Received: 01/20/06

% Moisture: 12 Decanted: (Y/N) Date Extracted: 01/23/06

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/06/06

Injection Volume: 2 (uL) Dilution Factor: 1

GPC Cleanup: Y pH: Extraction: Sonc

CONCENTRATION UNITS:

Number TICs found: 20 (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown Alkane	18.917	420	J
2.		Unknown Alkane	20.679	580	J
3.		Unknown Alkane	21.680	420	J
4.		Unknown Alkane	22.334	600	J
5.		Unknown Alkane	23.900	520	J
6.		Unknown Alkane	24.593	370	J
7.		Unknown Alkane	25.377	760	J
8.		Unknown Alkane	26.707	360	J
9.		Unknown Alkane	27.899	340	J
10.		Unknown Alkane	29.966	290	J
11.		Unknown Alkane	30.882	410	J
12.		Unknown Alkane	31.748	500	J
13.		Unknown Alkane	32.604	620	J B
14.		Unknown Alkane	33.577	670	J
15.		Unknown Alkane	34.688	590	J
16.		Unknown Alkane	36.015	520	J
17.		Unknown Alkane	37.587	420	J
18.		Unknown Alkane	39.514	540	J
19.		Unknown Alkane	41.845	500	J
20.		Unknown Alkane	44.688	330	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

0453

OLM03.0

Lancaster Labs

Data file : /chem/HP04629.i/06feb06a.b/hb062.d
Lab Smp Id: 4692565 Client Smp ID: 6005-
Inj Date : 06-FEB-2006 23:00
Operator : lmh00956 Inst ID: HP04629.i
Smp Info : 6005-;4692565;
Misc Info : 06021SLB;;30;;500;1;hb057;4438;
Comment :
Method : /chem/HP04629.i/06feb06a.b/clp.m
Meth Date : 07-Feb-2006 01:22 lmh00956 Quant Type: ISTD
Cal Date : 06-FEB-2006 21:57 Cal File: hb061.d
Als bottle: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SCLP.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Uf * Vt * Gf/(Vi * Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vt	500.00000	Volume of final extract (uL)(1000 low, 2
Gf	2.00000	Gpc Factor
Vi	2.00000	Volume injected (uL)
Ws	30.00000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 41 Naphthalene-d8	17.177	574998	40.000
* 64 Acenaphthene-d10	22.621	590590	40.000
* 87 Phenanthrene-d10	27.174	717267	40.000
* 99 Chrysene-d12	34.311	562110	40.000
* 105 Perylene-d12	41.292	341976	40.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	LIBRARY	LIB ENTRY	CPND #

Data File: /chem/HP04629.i/06feb06a.b/hb062.d
Report Date: 07-Feb-2006 01:23

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	CONCENTRATIONS FINAL(ug/Kg)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	CPND #
Unknown				CAS #:			
18.017	143875	10.0087156	166.81192	0		0	41
Unknown Alkane				CAS #:			
18.917	316188	21.9957154	366.59525	0		0	41
Unknown Alkane				CAS #:			
20.679	448379	30.3681718	506.13619	0		0	64
Unknown				CAS #:			
20.808	88990	6.02719157	100.45319	0		0	64
Unknown Alkane				CAS #:			
21.680	331513	22.4529959	374.21659	0		0	64
Unknown				CAS #:			
21.967	81836	5.54264755	92.37745	0		0	64
Unknown Alkane				CAS #:			
22.334	468643	31.7406448	529.01074	0		0	64
Unknown				CAS #:			
23.404	93091	6.30496902	105.08281	0		0	64
Unknown Alkane				CAS #:			
23.900	406684	27.5441998	459.06999	0		0	64
Unknown Alkane				CAS #:			
24.593	286314	19.3916917	323.19486	0		0	64
Unknown				CAS #:			
24.980	76264	4.25304546	70.88409	0		0	87
Unknown				CAS #:			
25.268	316407	17.6451159	294.08526	0		0	87
Unknown Alkane				CAS #:			
25.377	723859	40.3676104	672.79350	0		0	87
Unknown Alkane				CAS #:			
26.707	346513	19.3240586	322.06764	0		0	87
Unknown Alkane				CAS #:			
27.899	317852	17.7257258	295.42876	0		0	87

Data File: /chem/HP04629.i/06feb06a.b/hb062.d
Report Date: 07-Feb-2006 01:23

RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	CONCENTRATIONS FINAL(ug/Kg)	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	CPND #
Unknown Carboxylic Acid				CAS #:			
28.505	90971	5.07318009	84.55300	0		0	87
Unknown				CAS #:			
28.833	85898	4.79031055	79.83850	0		0	87
Unknown Alkane				CAS #:			
29.966	276847	15.4390035	257.31672	0		0	87
Unknown Carboxylic Acid				CAS #:			
30.514	125245	6.98454043	116.40900	0		0	87
Unknown Carboxylic Acid				CAS #:			
30.753	1320116	93.9399564	1565.66594	0		0	99
Unknown Alkane				CAS #:			
30.882	301456	21.4517270	357.52878	0		0	99
Unknown				CAS #:			
30.932	188464	13.4111707	223.51951	0		0	99
Unknown Alkane				CAS #:			
31.748	372812	26.5294674	442.15779	0		0	99
Unknown				CAS #:			
32.485	921419	65.5684944	1092.80824	0		0	99
Unknown Alkane				CAS #:			
32.604	462753	32.9296417	548.82736	0		0	99
Unknown				CAS #:			
32.664	116354	8.27978081	137.99634	0		0	99
Unknown Alkane				CAS #:			
33.577	494730	35.2051657	586.75276	0		0	99
Unknown Alkane				CAS #:			
34.688	437743	31.1499525	519.16587	0		0	99
Unknown Alkane				CAS #:			
36.015	383692	27.3036487	455.06081	0		0	99
Unknown Alkane				CAS #:			
37.587	312395	22.2301311	370.50218	0		0	99

Data File: /chem/HP04629.i/06feb06a.b/hb062.d
Report Date: 07-Feb-2006 01:23

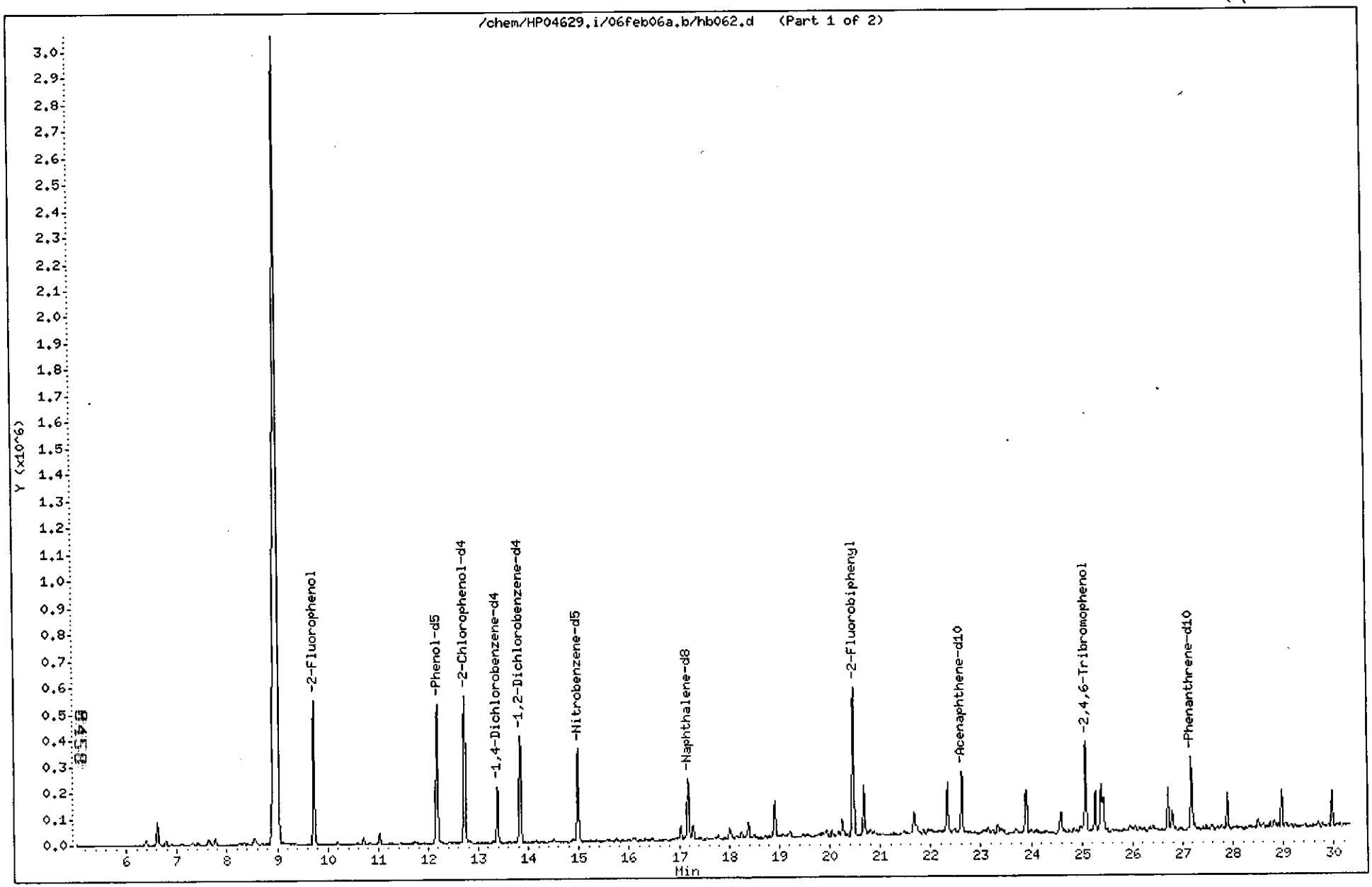
RT	AREA	CONCENTRATIONS ON-COL(ng/2ul)	FINAL(ug/Kg)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown Alkane				CAS #:			
39.514	242637	28.3805608	473.00934	0		0	105
Unknown Alkane				CAS #:			
41.845	225628	26.3910744	439.85124	0		0	105
Unknown Alkane				CAS #:			
44.688	149495	17.4859877	291.43312	0		0	105
Unknown				CAS #:			
48.162	111876	13.0858260	218.09709	0		0	105

Data File: /chem/HP04629.i/06feb06a.b/hb062.d
Date : 06-FEB-2006 23:00
Client ID: 6005-
Sample Info: 6005-;4692565;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

lmh 2/8/06 2/07/06



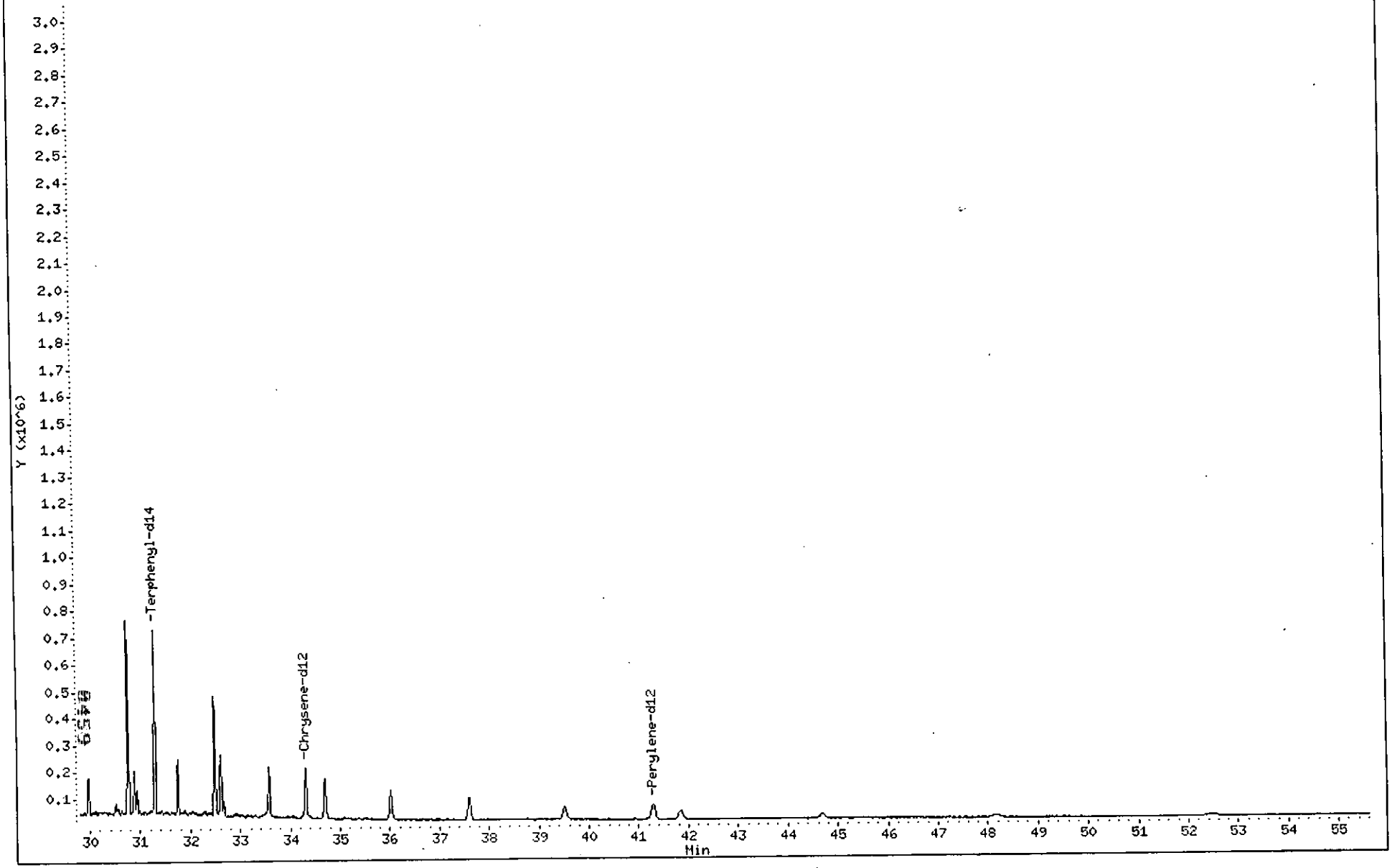
Data File: /chem/HP04629.i/06feb06a.b/hb062.d
Date : 06-FEB-2006 23:00
Client ID: 6005-
Sample Info: 6005-;4692565;
Volume Injected (uL): 2.0
Column phase: J&W DB-5.625

Instrument: HP04629.i

Operator: lmh00956
Column diameter: 0.25

lmh/ase 02/07/06

/chem/HP04629.i/06feb06a.b/hb062.d (Part 2 of 2)



Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

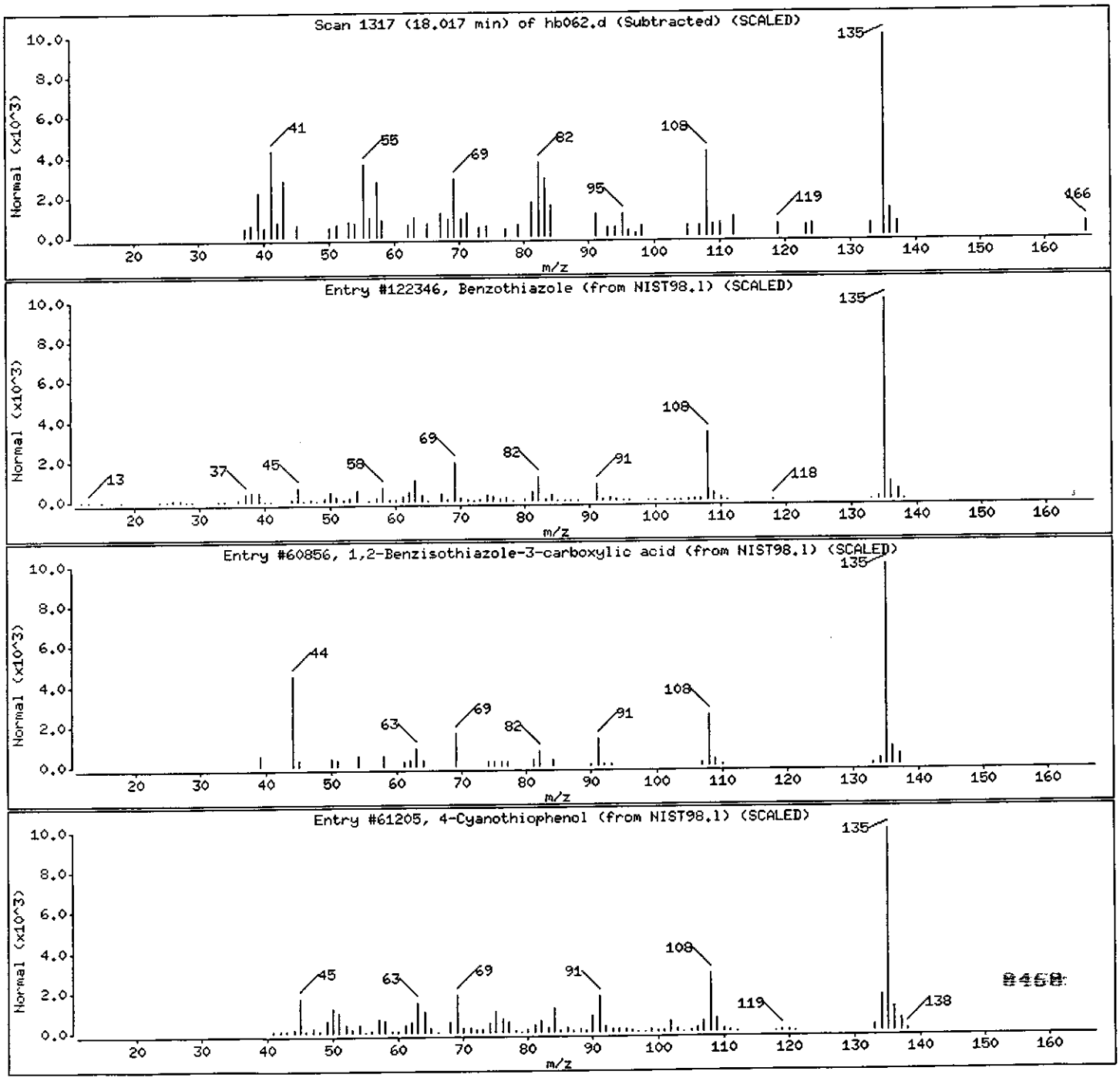
Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Benzothiazole	95-16-9	NIST98.1	122346	62	C7H5NS	135
1,2-Benzisothiazole-3-carboxylic acid	40991-34-2	NIST98.1	60856	53	C8H5NO2S	179
4-Cyanothiophenol	1000212-26-0	NIST98.1	61205	53	C7H5NS	135



Data File: /chem/HP04629.i/06feb06a.b/hb062.d

Date : 06-FEB-2006 23:00

Client ID: 6005-

Instrument: HP04629.i

Sample Info: 6005-;4692565;

Volume Injected (uL): 2.0

Operator: lmh00956

Column phase: J&W DB-5.625

Column diameter: 0.25

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Eucalyptol	470-82-6	NIST98.1	110019	14	C10H18O	154
2-Heptenal, 2-propyl-	34880-43-8	NIST98.1	108654	10	C10H18O	154
2-Heptanone, 3-propylidene-	32064-70-3	NIST98.1	6084	10	C10H18O	154